

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080219\
 Data File : VX011294.D
 Acq On : 02 Aug 2019 11:03
 Operator : JC/SP
 Sample : VX0802WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 12:11:41 PM

Quant Time: Aug 03 05:55:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	154663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	226723	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	207853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105974	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	72785	46.73	ug/l	0.00
Spiked Amount						
			Recovery	=	93.46%	
35) Dibromofluoromethane	5.49	113	69540	46.98	ug/l	0.00
Spiked Amount						
			Recovery	=	93.96%	
50) Toluene-d8	8.71	98	261405	46.78	ug/l	0.00
Spiked Amount						
			Recovery	=	93.56%	
62) 4-Bromofluorobenzene	11.13	95	90890	45.56	ug/l	0.00
Spiked Amount						
			Recovery	=	91.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	22187	18.574	ug/l	100
3) Chloromethane	1.32	50	25003	18.639	ug/l	98
4) Vinyl Chloride	1.40	62	27601	18.706	ug/l	95
5) Bromomethane	1.63	94	22121	21.021	ug/l	99
6) Chloroethane	1.71	64	18695	18.833	ug/l	100
7) Trichlorofluoromethane	1.92	101	49417	18.836	ug/l	96
8) Diethyl Ether	2.18	74	16478	17.589	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	26191	18.450	ug/l	98
10) Methyl Iodide	2.50	142	28510	15.930	ug/l	99
11) Tert butyl alcohol	3.04	59	31802	102.407	ug/l	98
12) 1,1-Dichloroethene	2.37	96	25955	18.445	ug/l	96
13) Acrolein	2.29	56	18206	94.060	ug/l	96
14) Allyl chloride	2.72	41	34875	18.590	ug/l	99
15) Acrylonitrile	3.14	53	72268	97.507	ug/l	100
16) Acetone	2.43	43	68209	92.005	ug/l	97
17) Carbon Disulfide	2.56	76	60147	18.214	ug/l	99
18) Methyl Acetate	2.76	43	32928	19.436	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	76503	18.448	ug/l	96
20) Methylene Chloride	2.85	84	29349	18.076	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	27577	18.526	ug/l	93
22) Diisopropyl ether	3.85	45	76173	18.475	ug/l	97
23) Vinyl Acetate	3.81	43	329265	96.285	ug/l	98
24) 1,1-Dichloroethane	3.69	63	45484	18.708	ug/l	98
25) 2-Butanone	4.67	43	99233	94.097	ug/l	100
26) 2,2-Dichloropropane	4.57	77	34128	18.058	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	31326	18.271	ug/l	99
28) Bromochloromethane	5.01	49	21504	19.402	ug/l #	99
29) Tetrahydrofuran	5.12	42	61652	95.346	ug/l	98
30) Chloroform	5.20	83	49120	18.589	ug/l	95
31) Cyclohexane	5.57	56	36919	18.406	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	41982	18.547	ug/l	99
36) 1,1-Dichloropropene	5.79	75	35128	17.746	ug/l	98
37) Ethyl Acetate	4.82	43	35548	17.903	ug/l	98
38) Carbon Tetrachloride	5.77	117	35981	18.067	ug/l	92

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Manual Integrations
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Quant Time: Aug 03 05:55:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	40839	17.405	ug/l	96
40) Benzene	6.14	78	110758	18.750	ug/l	98
41) Methacrylonitrile	5.04	41	18766	17.306	ug/l #	94
42) 1,2-Dichloroethane	6.19	62	36270	18.158	ug/l	99
43) Isopropyl Acetate	6.44	43	57183	18.013	ug/l	99
44) Trichloroethene	7.21	130	32921	18.413	ug/l	96
45) 1,2-Dichloropropane	7.51	63	27861	18.212	ug/l	95
46) Dibromomethane	7.66	93	19345	17.322	ug/l	97
47) Bromodichloromethane	7.90	83	34059	18.013	ug/l	98
48) Methyl methacrylate	7.77	41	28630	19.164	ug/l	97
49) 1,4-Dioxane	7.73	88	15765	363.993	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	194026	94.707	ug/l	100
52) Toluene	8.78	92	72389	18.535	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	34612	17.664	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	40360	18.273	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	29439	18.333	ug/l	98
56) Ethyl methacrylate	9.18	69	41137	17.977	ug/l	98
57) 1,3-Dichloropropane	9.37	76	46348	18.251	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	97971	87.074	ug/l	99
59) 2-Hexanone	9.49	43	150158	94.626	ug/l	100
60) Dibromochloromethane	9.58	129	29416	17.893	ug/l	98
61) 1,2-Dibromoethane	9.67	107	31571	18.198	ug/l	99
64) Tetrachloroethene	9.34	164	31652	17.931	ug/l	97
65) Chlorobenzene	10.13	112	80988	18.172	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	28108	18.422	ug/l	99
67) Ethyl Benzene	10.25	91	137119	18.371	ug/l	99
68) m/p-Xylenes	10.35	106	105820	36.654	ug/l	99
69) o-Xylene	10.69	106	51725	18.235	ug/l	98
70) Styrene	10.71	104	85786	18.278	ug/l	99
71) Bromoform	10.85	173	20655	17.118	ug/l #	99
73) Isopropylbenzene	11.02	105	138399	19.095	ug/l	99
74) N-amyl acetate	10.90	43	49959	19.076	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	46740	19.351	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	37611m	19.488	ug/l	
77) Bromobenzene	11.25	156	38092	18.953	ug/l	98
78) n-propylbenzene	11.36	91	153494	19.044	ug/l	100
79) 2-Chlorotoluene	11.42	91	90956	18.933	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	113287	18.672	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	10920	18.269	ug/l	89
82) 4-Chlorotoluene	11.51	91	103056	18.407	ug/l	99
83) tert-Butylbenzene	11.77	119	112214	18.858	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	115714	19.156	ug/l	99
85) sec-Butylbenzene	11.94	105	134113	18.759	ug/l	99
86) p-Isopropyltoluene	12.06	119	124325	18.902	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	66566	18.745	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	66725	18.222	ug/l	98
89) n-Butylbenzene	12.38	91	103074	18.190	ug/l	99
90) Hexachloroethane	12.59	117	17850	18.357	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	67233	18.843	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9064	19.369	ug/l	97

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

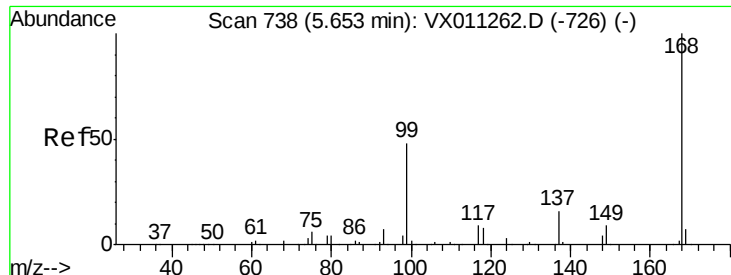
Manual Integrations
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8/6/2019 12:11:41 PM

Quant Time: Aug 03 05:55:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	43704	18.469	ug/l	99
94) Hexachlorobutadiene	13.78	225	21373	17.803	ug/l	96
95) Naphthalene	13.83	128	134170	19.389	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	46278	19.237	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

VX0802WBS01

Tot Ion:168 Resp: 154663

Ion Ratio Lower Upper

168 100

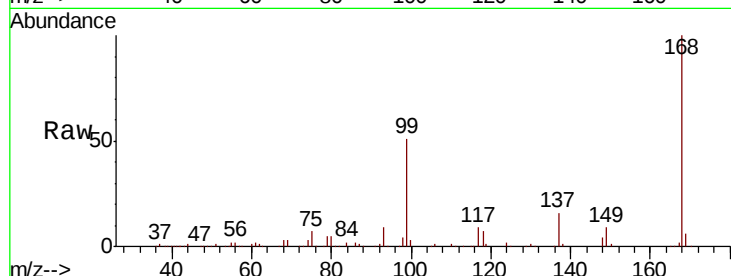
99 50.5 38.5 57.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

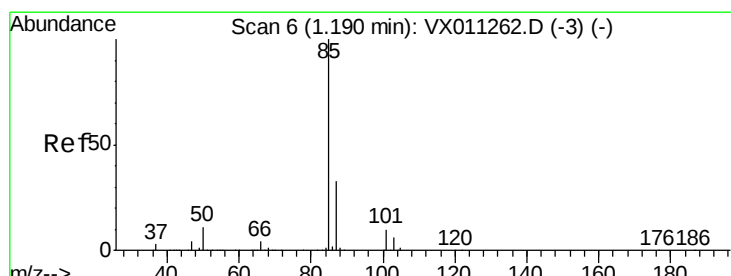
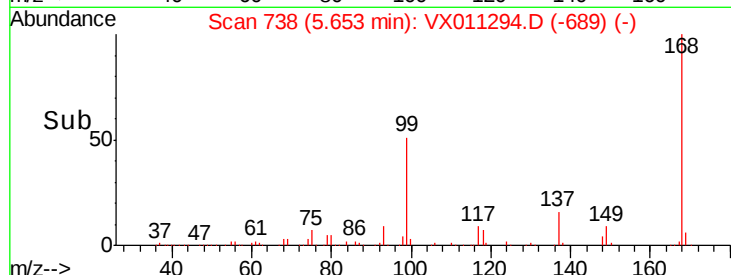
30000

20000

10000

0

Time--> 5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 18.574 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011294.D

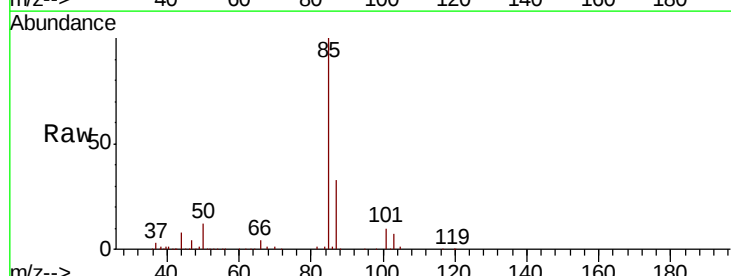
Acq: 02 Aug 2019 11:03

Tgt Ion: 85 Resp: 22187

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

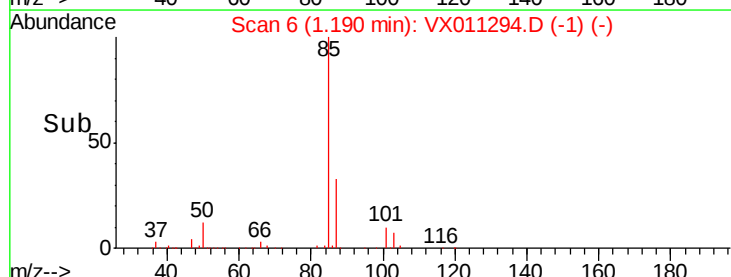
15000

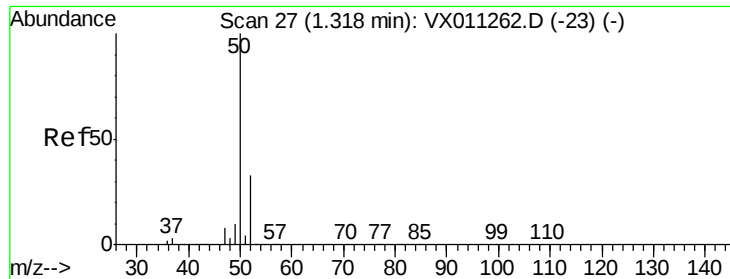
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 18.639 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampleId :

VX0802WBS01

Tot Ion: 50 Resp: 25003

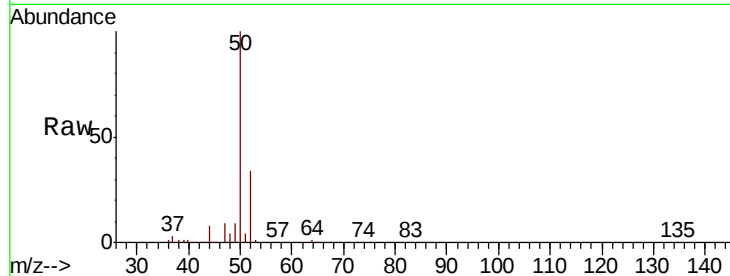
Ion Ratio Lower Upper

50 100

52 34.3 26.4 39.6

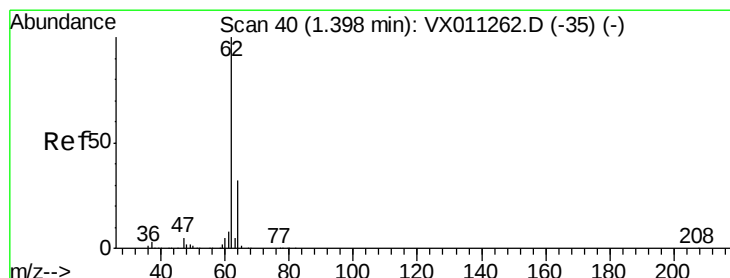
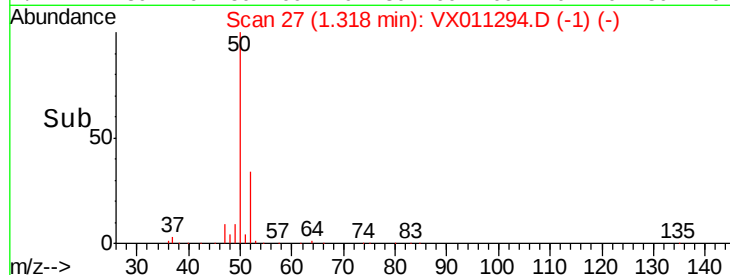
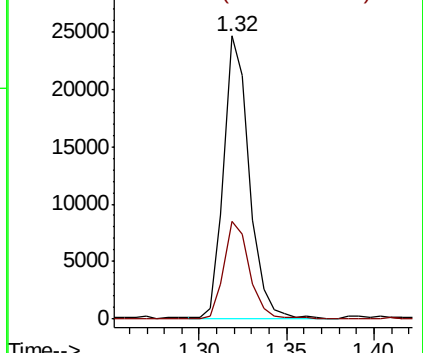
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.706 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011294.D

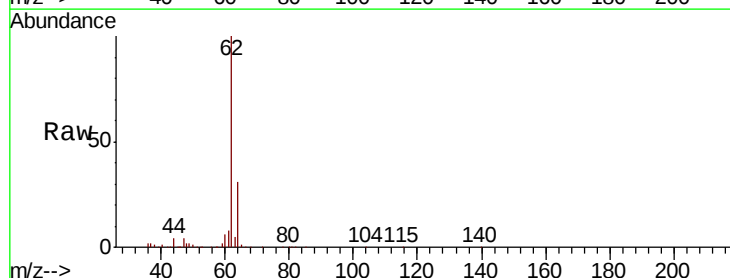
Acq: 02 Aug 2019 11:03

Tgt Ion: 62 Resp: 27601

Ion Ratio Lower Upper

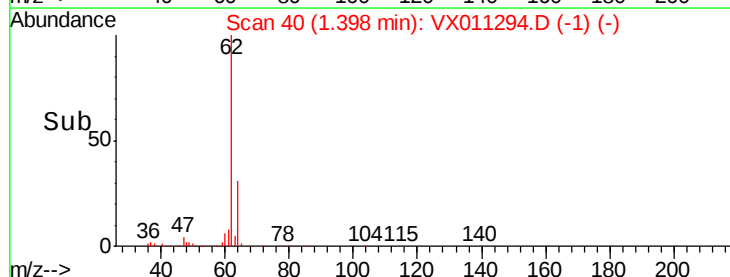
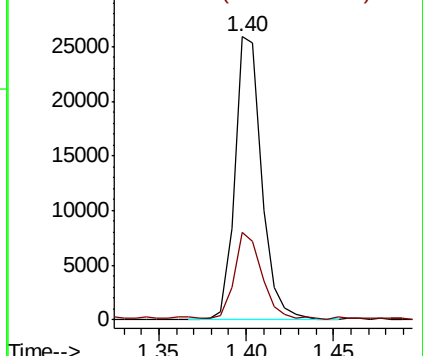
62 100

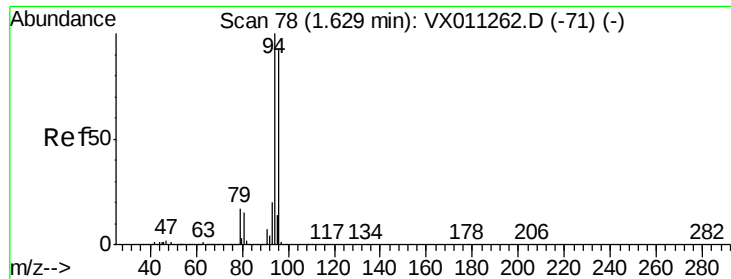
64 29.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.021 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

VX0802WBS01

Tot Ion: 94 Resp: 22121

Ion Ratio Lower Upper

94 100

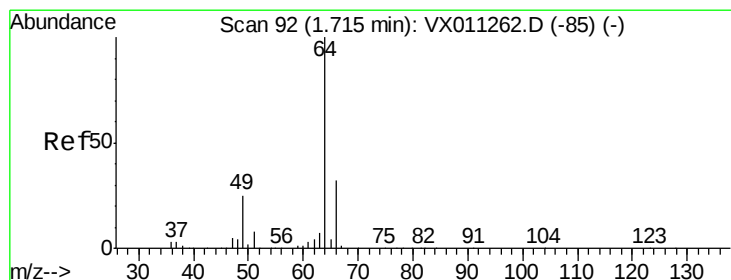
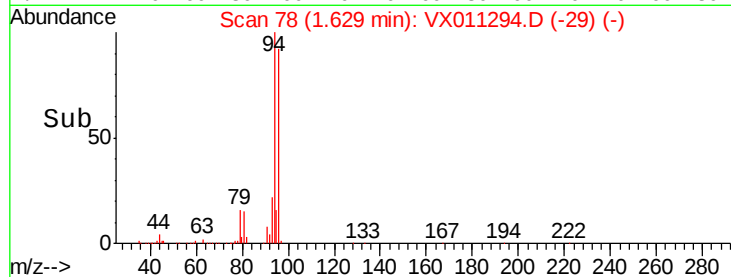
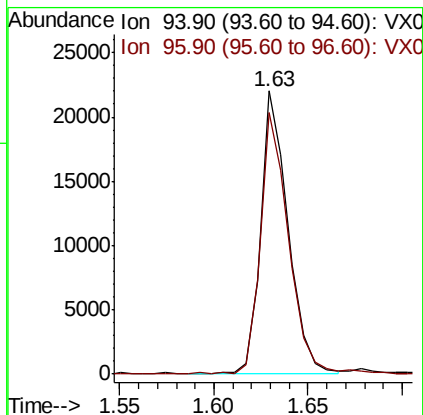
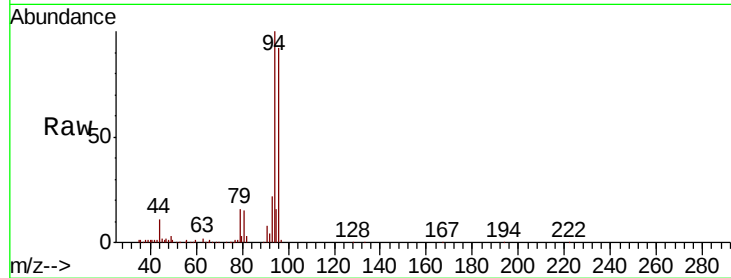
96 92.4 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 18.833 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011294.D

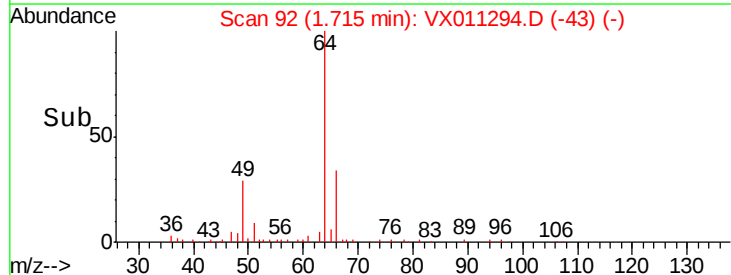
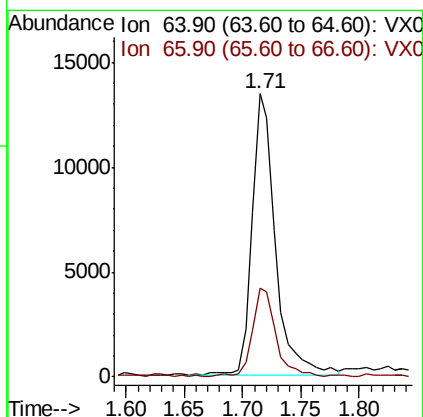
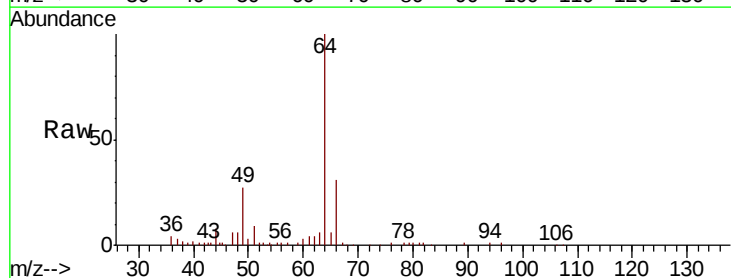
Acq: 02 Aug 2019 11:03

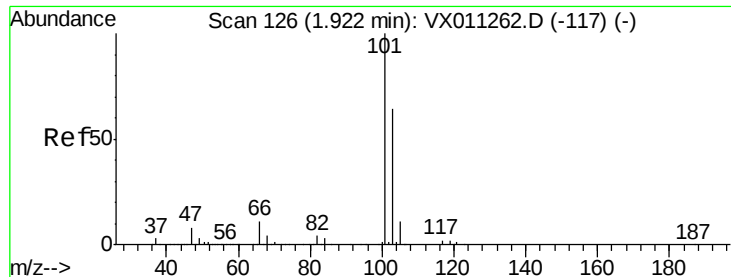
Tgt Ion: 64 Resp: 18695

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7





#7

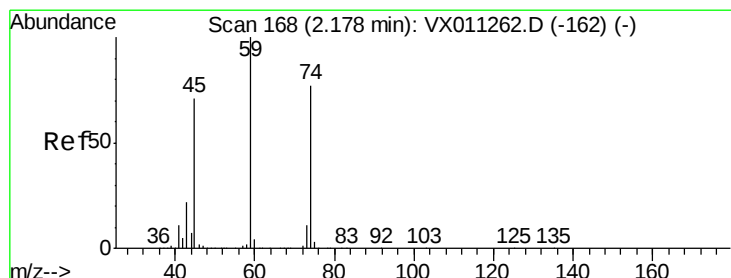
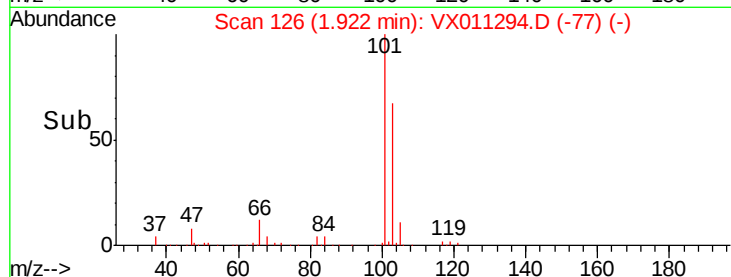
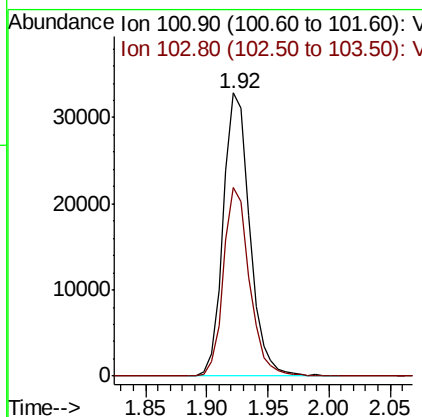
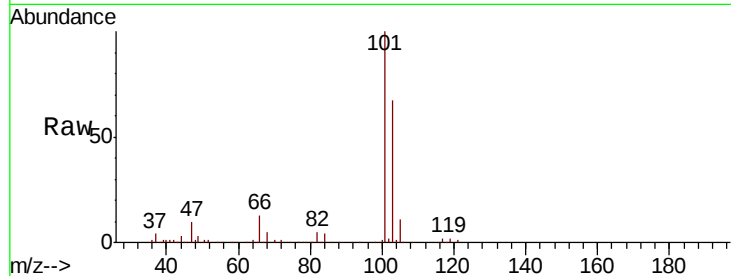
Trichlorofluoromethane
Concen: 18.836 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	49417		
103	66.8	50.9	76.3	

Manual Integrations
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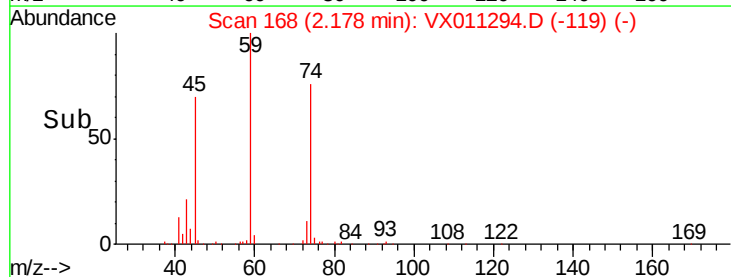
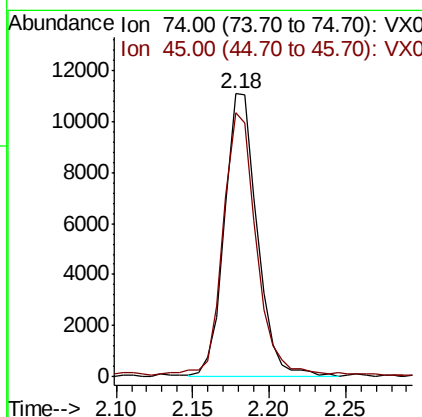
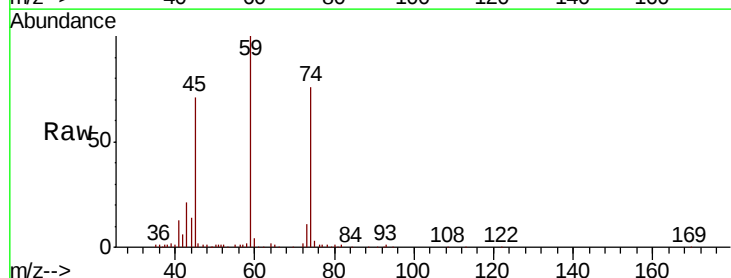
MMDadoda
8/6/2019 12:11:41 PM

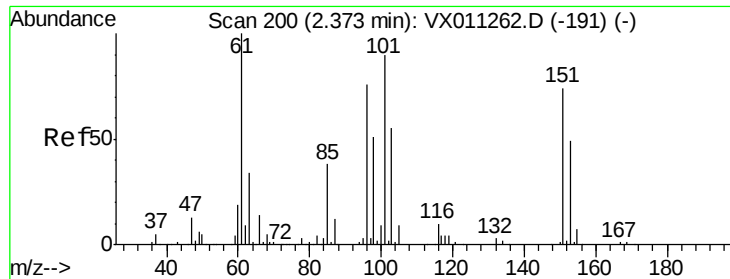


#8

Diethyl Ether
Concen: 17.589 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	16478		
45	92.7	46.1	138.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.450 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

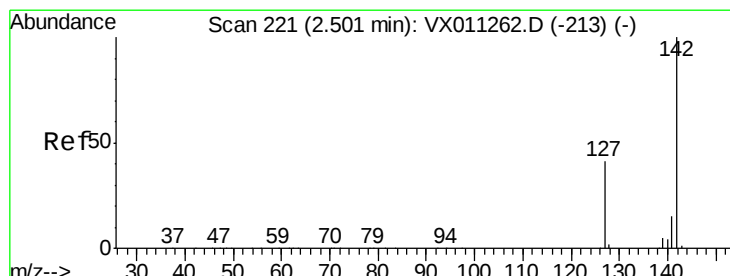
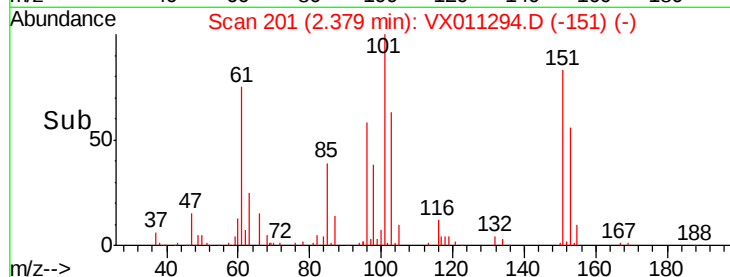
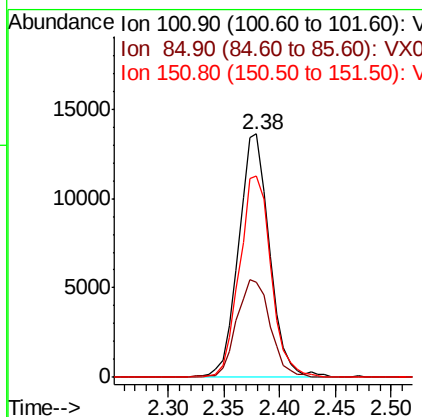
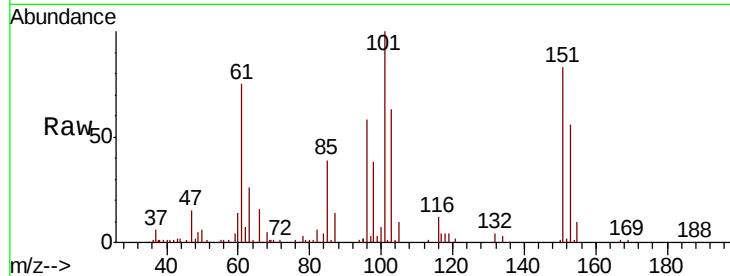
ClientSampleId :

VX0802WBS01

Tot Ion:	101	Resp:	26191
Ion Ratio	Lower	Upper	
101	100		
85	43.5	33.8	50.6
151	84.7	69.5	104.3

Manual Integrations
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#10

Methyl Iodide

Concen: 15.930 ug/l

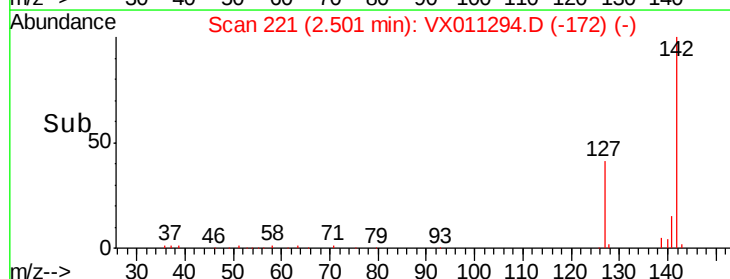
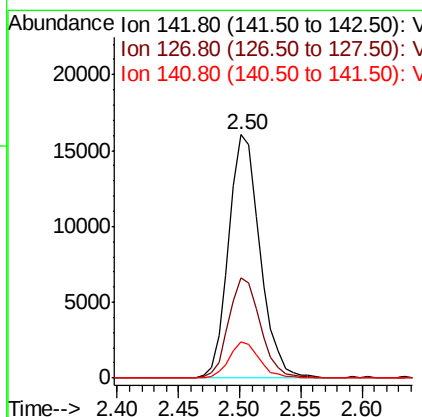
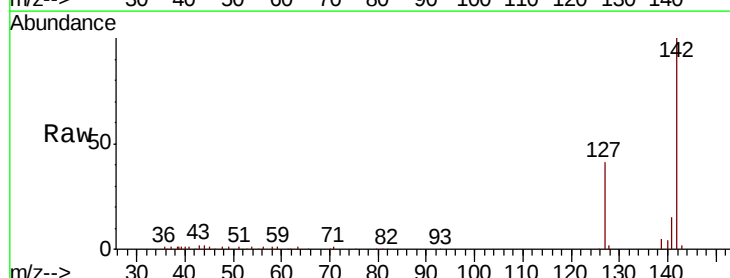
RT: 2.50 min Scan# 221

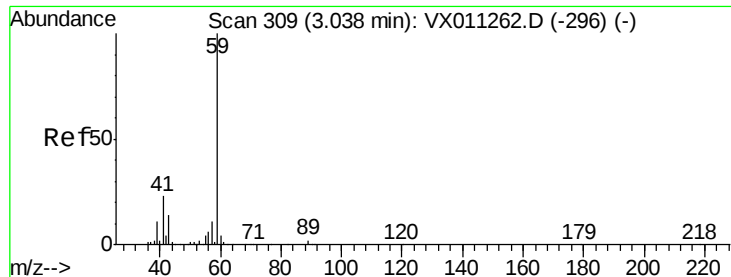
Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Tgt Ion:	142	Resp:	28510
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.8	50.8
141	14.5	11.4	17.2





#11

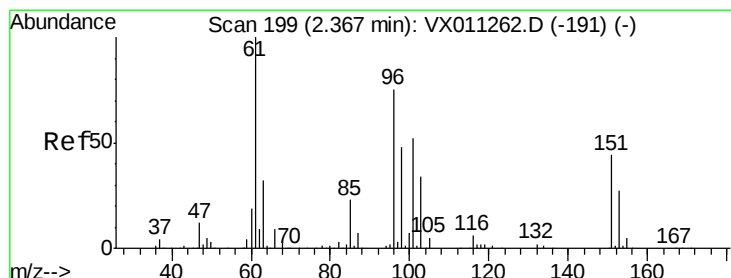
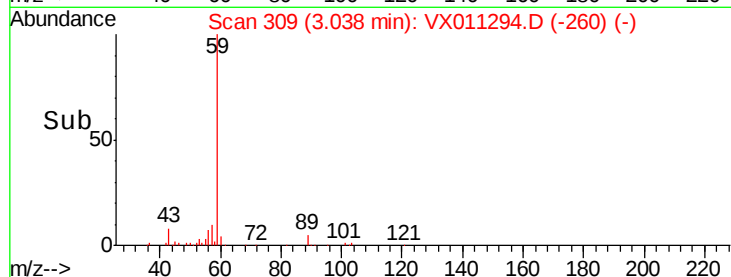
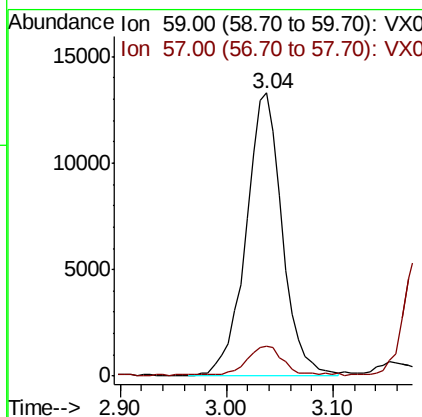
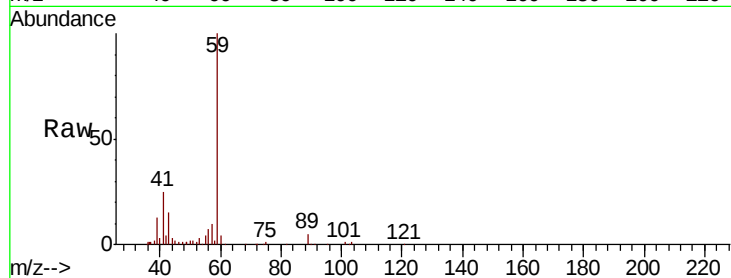
Tert butyl alcohol
Concen: 102.407 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

Tot Ion	59	57	Ratio	100	9.8	Resp:	31802	Lower	8.3	Upper	12.5
Ion	59	57	Ratio	100	9.8	Resp:	31802	Lower	8.3	Upper	12.5

Manual Integrations
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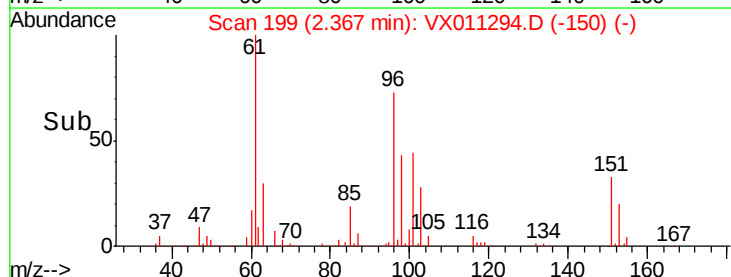
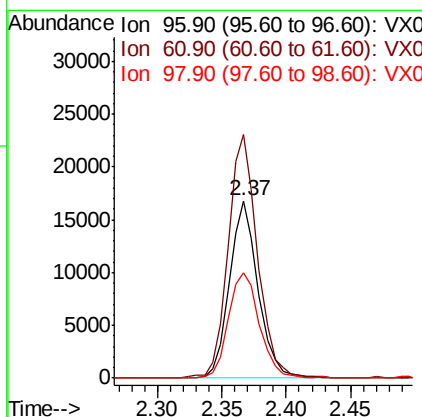
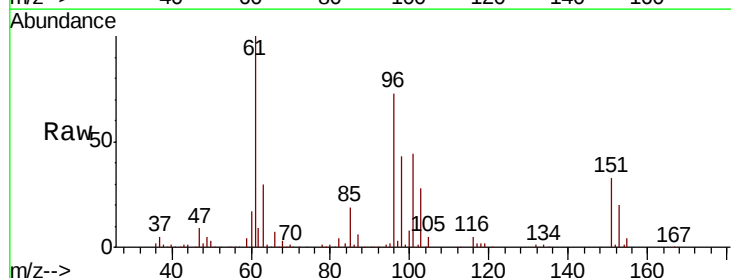
MMDadoda
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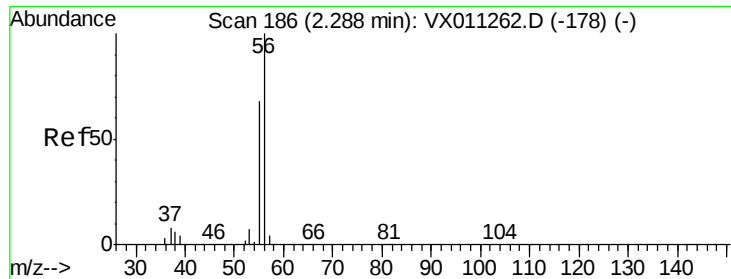


#12

1,1-Dichloroethene
Concen: 18.445 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	96	61	98	Ratio	100	137.1	59.7	Resp:	25955	Lower	106.2	Upper	159.2	75.8
Ion	96	61	98	Ratio	100	137.1	59.7	Resp:	25955	Lower	106.2	Upper	159.2	75.8





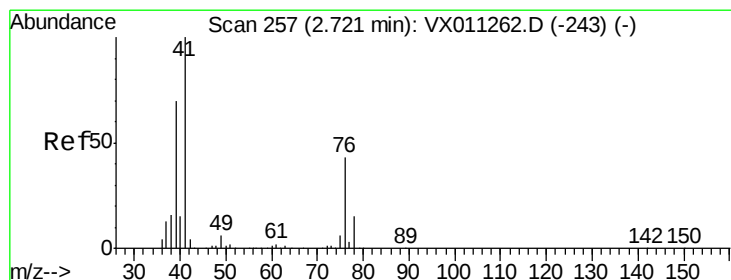
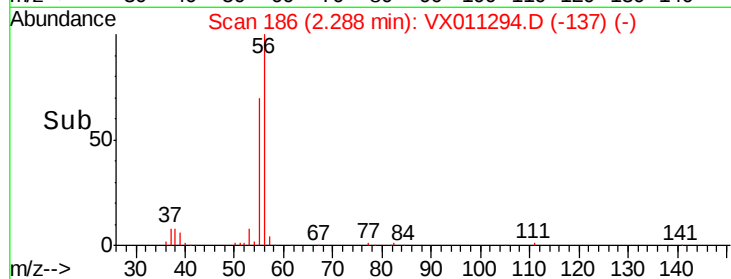
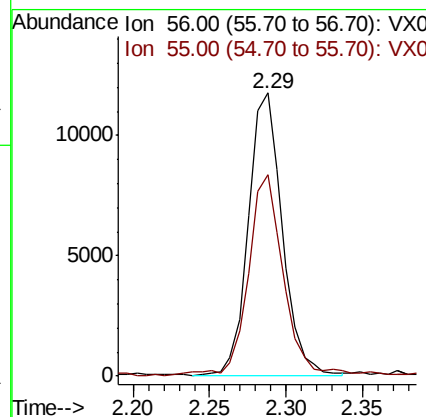
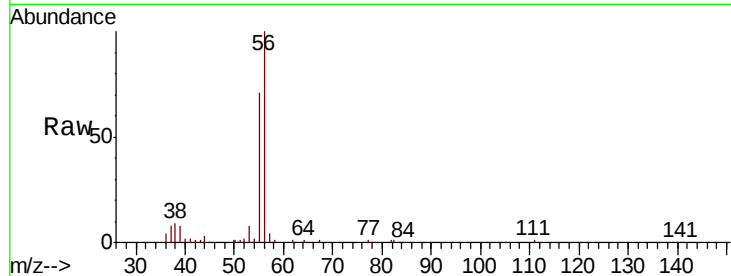
#13
Acrolein
Concen: 94.060 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

Tot Ion	56	Resp	18206
Ion Ratio	100	Lower	Upper
55	73.6	56.0	84.0

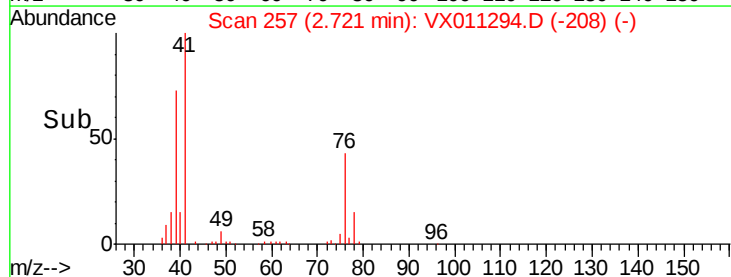
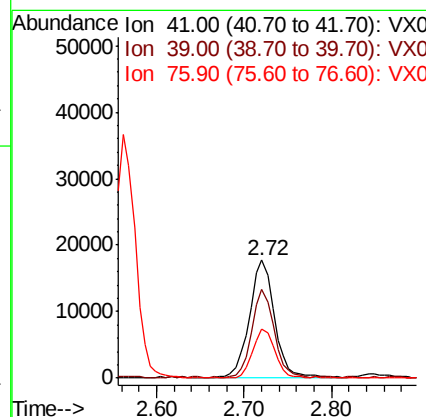
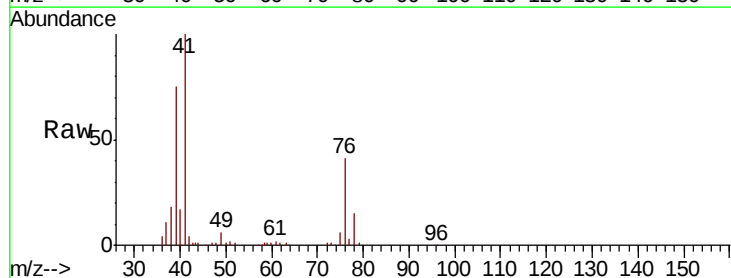
Manual Integrations
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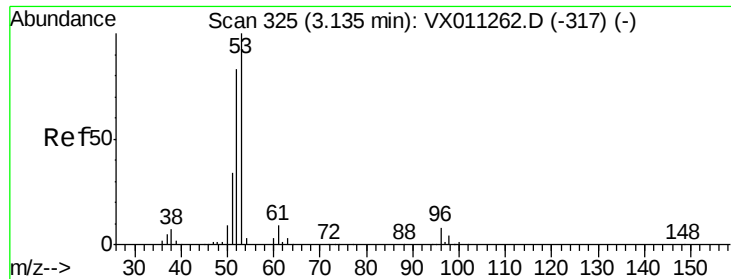
MMDadoda
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#14
Allyl chloride
Concen: 18.590 ug/l
RT: 2.72 min Scan# 257
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	41	Resp	34875
Ion Ratio	100	Lower	Upper
39	65.8	52.8	79.2
76	37.9	31.1	46.7





#15

Acrylonitrile

Concen: 97.507 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

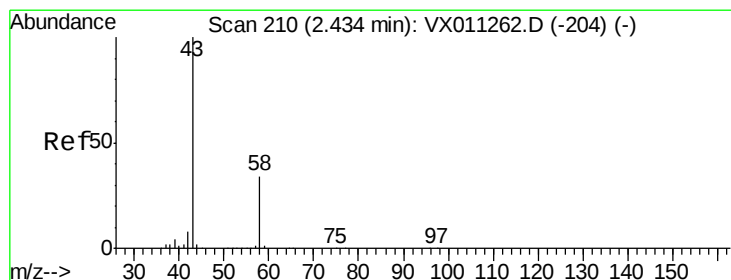
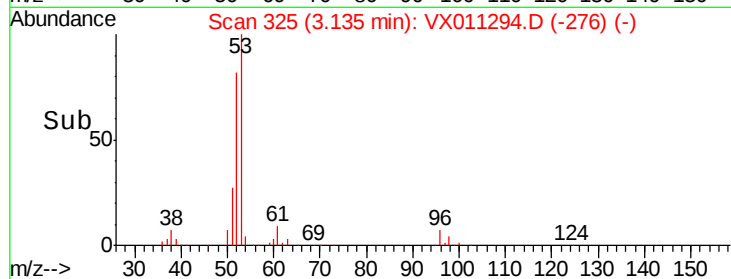
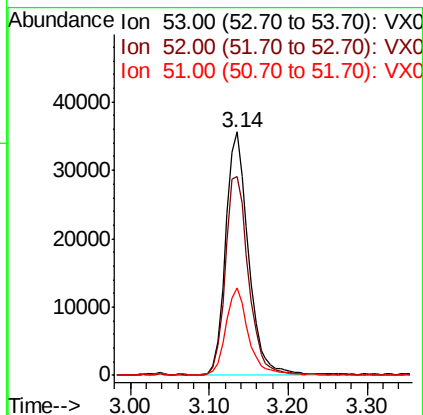
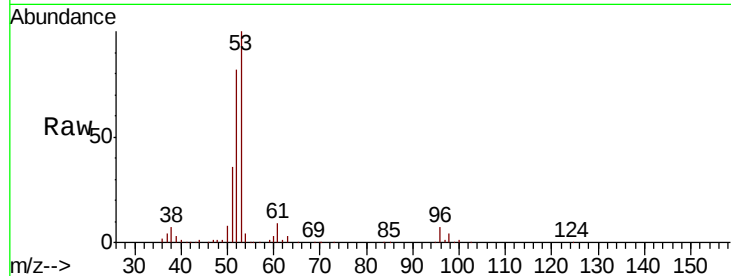
ClientSampleId :

VX0802WBS01

Tot Ion:	53	Resp:	72268
Ion Ratio		Lower	Upper
53	100		
52	82.3	65.5	98.3
51	34.8	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 92.005 ug/l

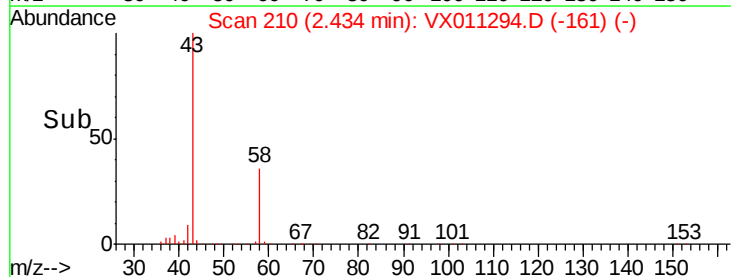
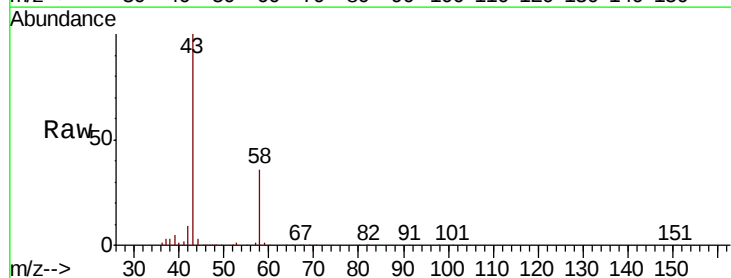
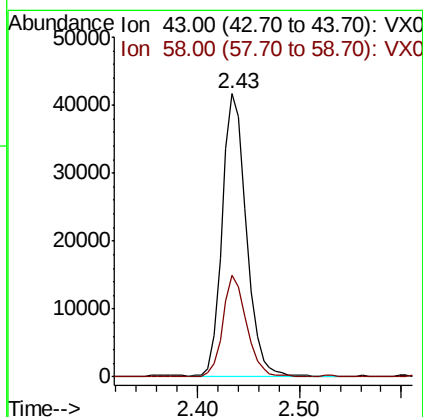
RT: 2.43 min Scan# 210

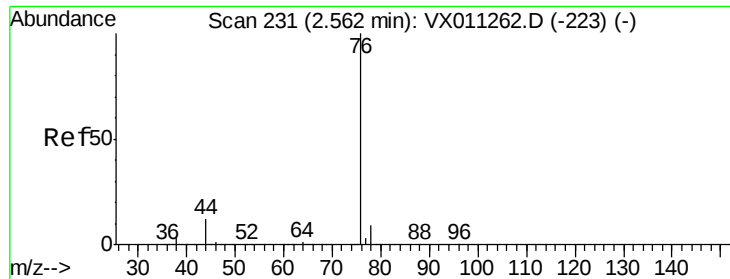
Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Tgt Ion:	43	Resp:	68209
Ion Ratio		Lower	Upper
43	100		
58	35.7	27.4	41.0





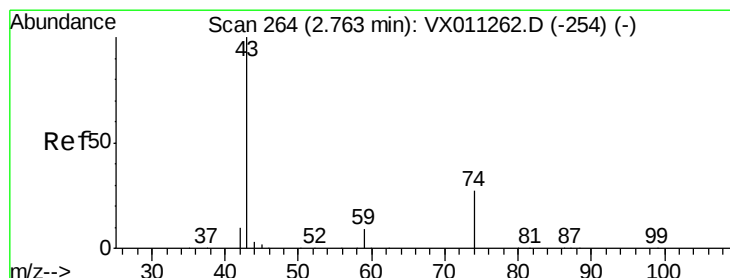
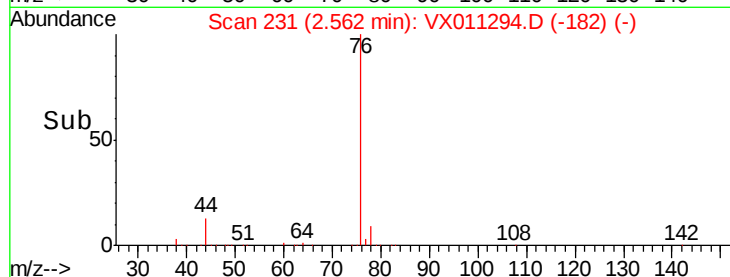
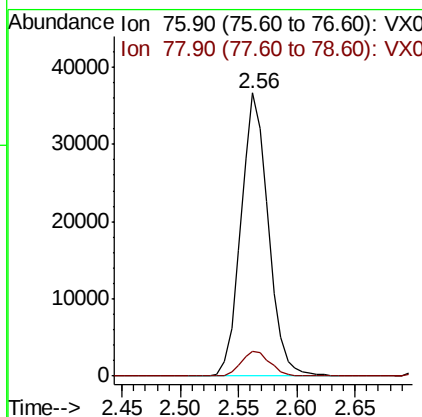
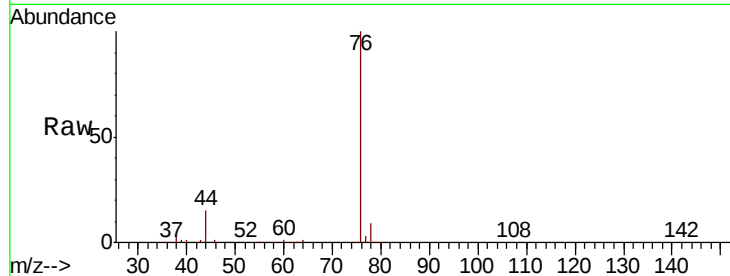
#17
Carbon Disulfide
Concen: 18.214 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

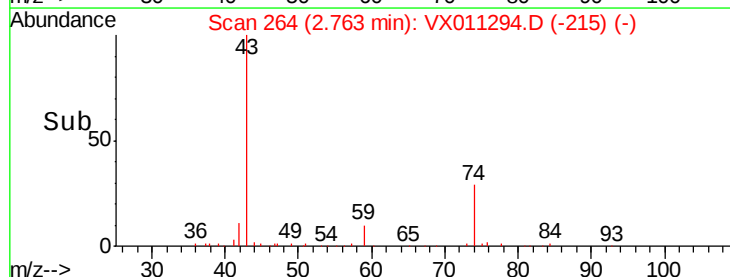
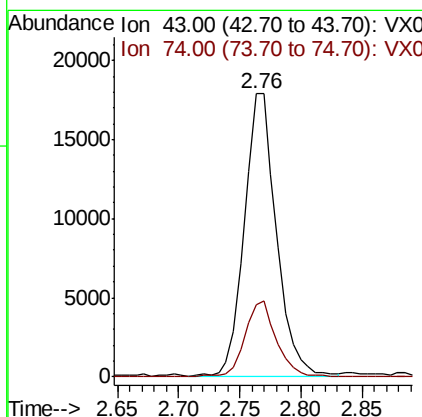
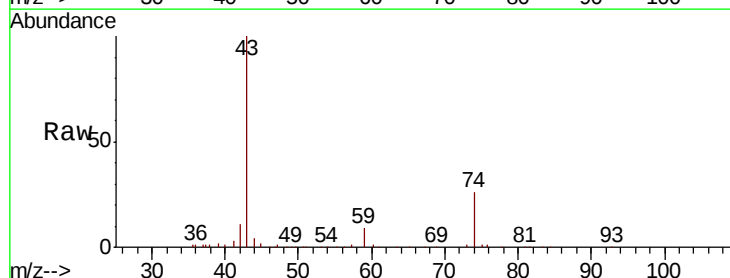
Manual Integrations
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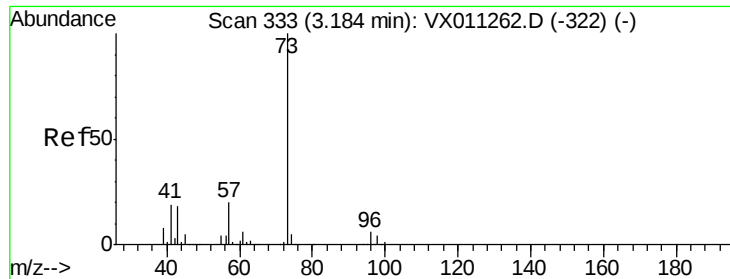
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#18
Methyl Acetate
Concen: 19.436 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	21.0	31.6





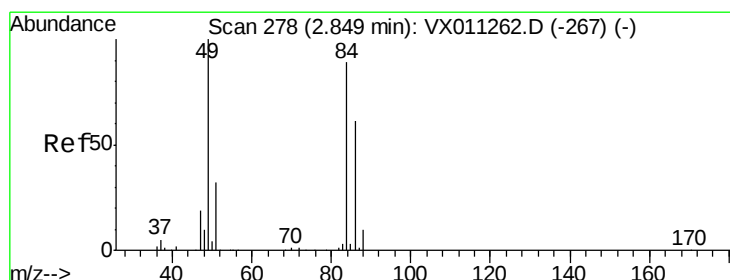
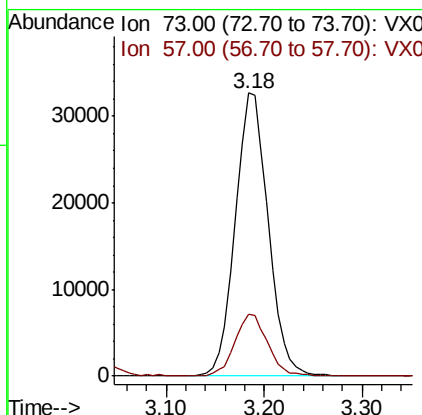
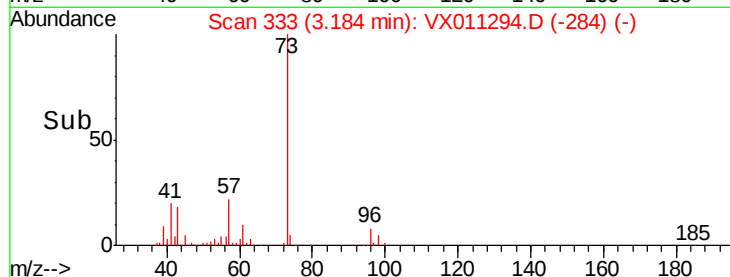
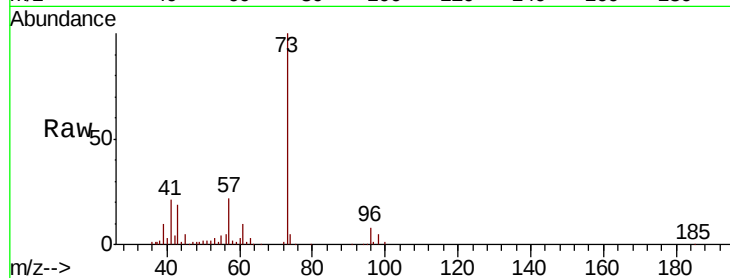
#19
Methvl tert-butvl Ether
Concen: 18.448 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	16.2	24.2

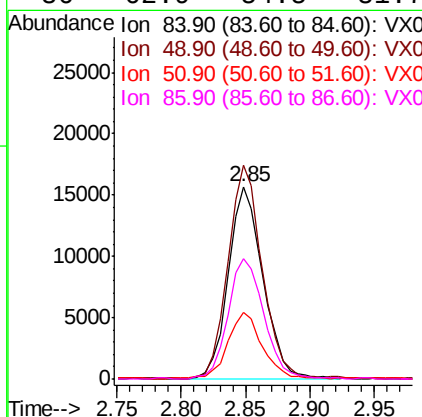
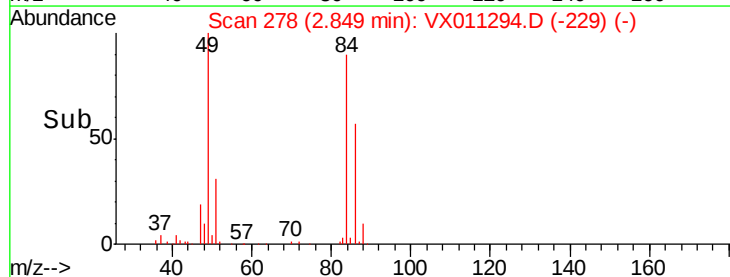
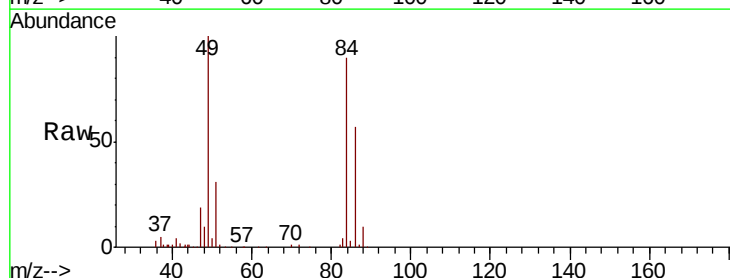
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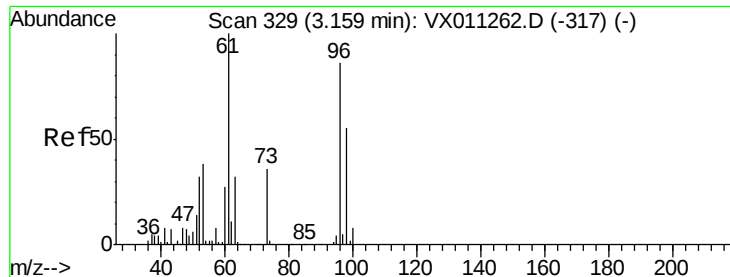
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#20
Methylene Chloride
Concen: 18.076 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.7	89.3	133.9
51	34.5	28.3	42.5
86	62.9	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 18.526 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

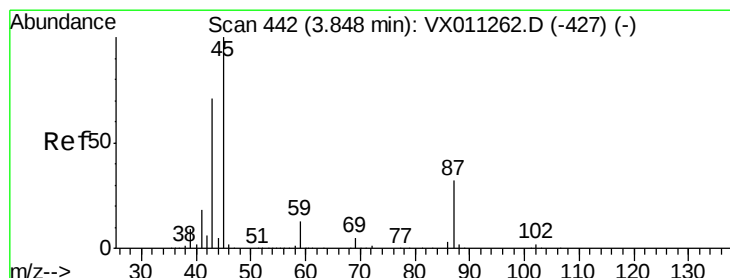
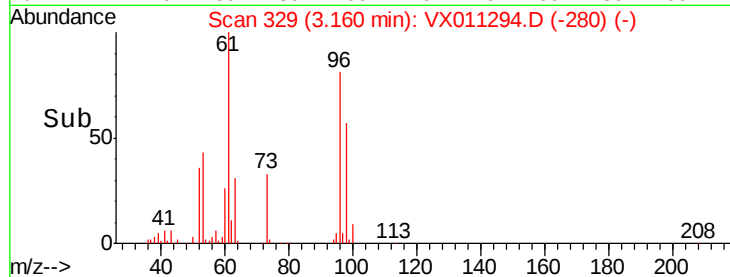
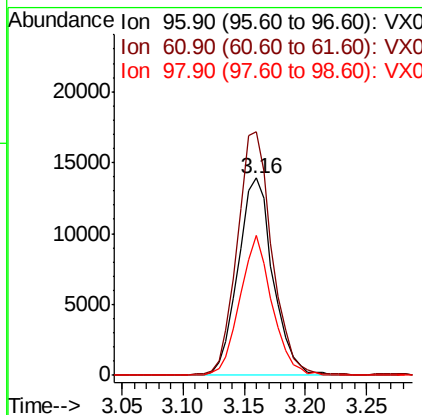
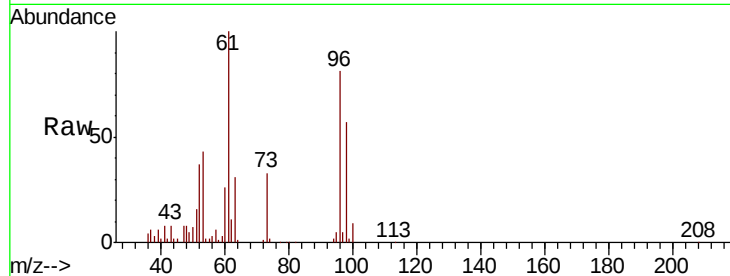
ClientSampled :

VX0802WBS01

Tot Ion:	96	Resp:	27577
Ion	Ratio	Lower	Upper
96	100		
61	122.9	92.8	139.2
98	70.7	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.475 ug/l

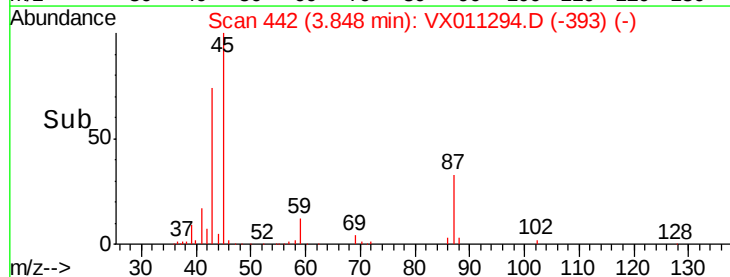
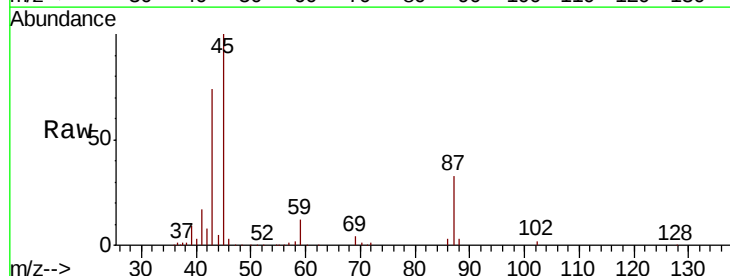
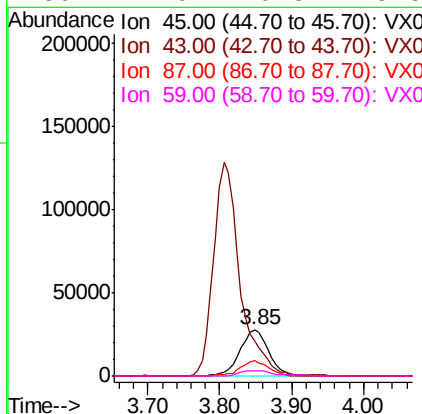
RT: 3.85 min Scan# 442

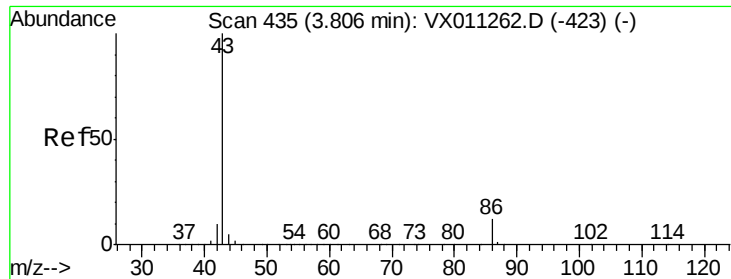
Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Tgt Ion:	45	Resp:	76173
Ion	Ratio	Lower	Upper
45	100		
43	73.7	56.8	85.2
87	33.1	25.8	38.6
59	12.0	10.3	15.5





#23

Vinyl Acetate

Concen: 96.285 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

VX0802WBS01

Tot Ion: 43 Resp: 329265

Ion Ratio Lower Upper

43 100

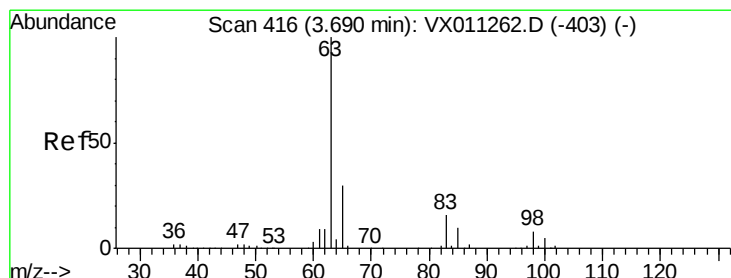
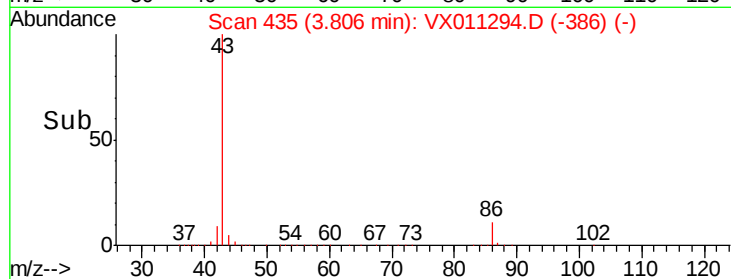
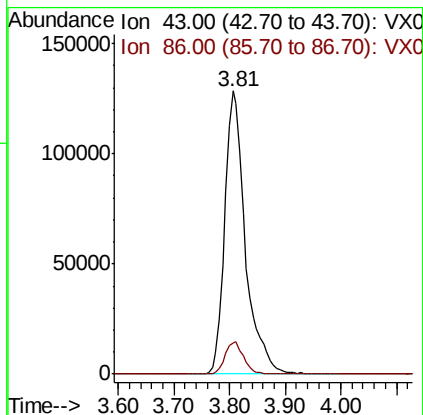
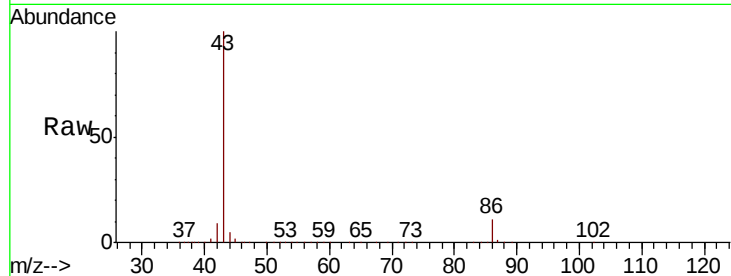
86 11.0 9.6 14.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.708 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

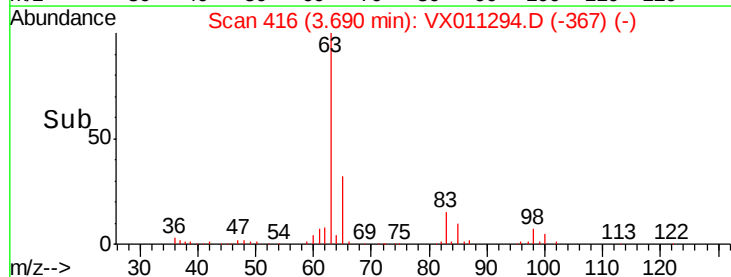
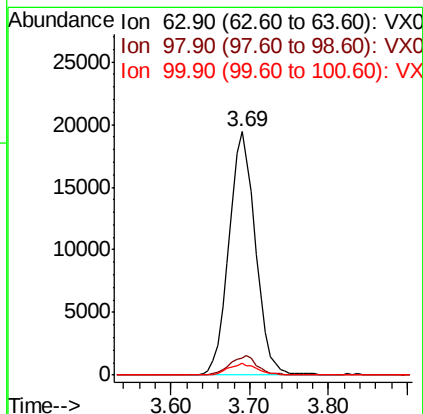
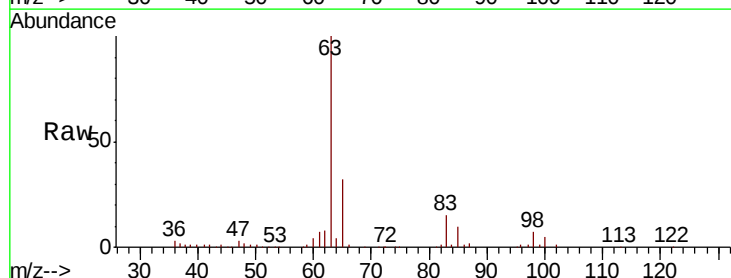
Tgt Ion: 63 Resp: 45484

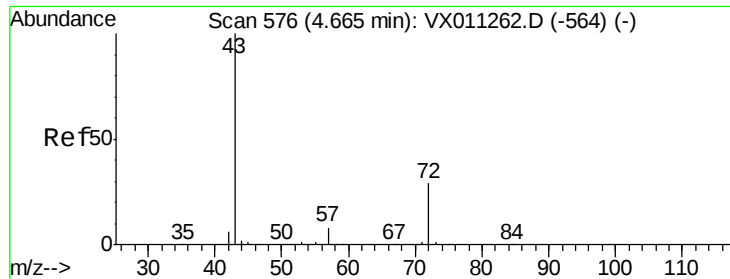
Ion Ratio Lower Upper

63 100

98 7.0 3.9 11.5

100 5.1 2.7 8.1





#25

2-Butanone

Concen: 94.097 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

VX0802WBS01

Tot Ion: 43 Resp: 99233

Ion Ratio Lower Upper

43 100

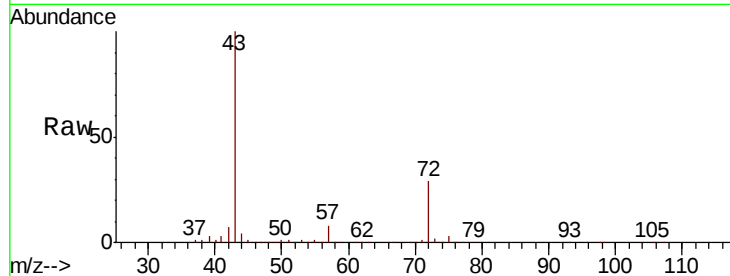
72 29.2 23.2 34.8

Manual Integrations

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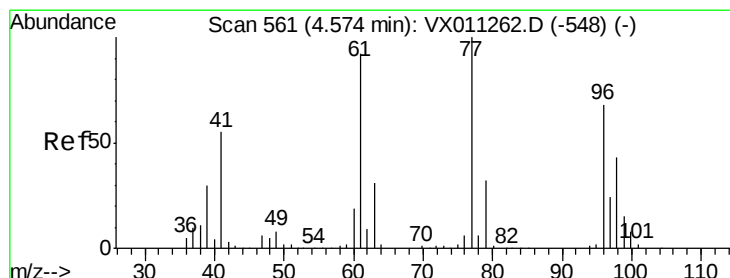
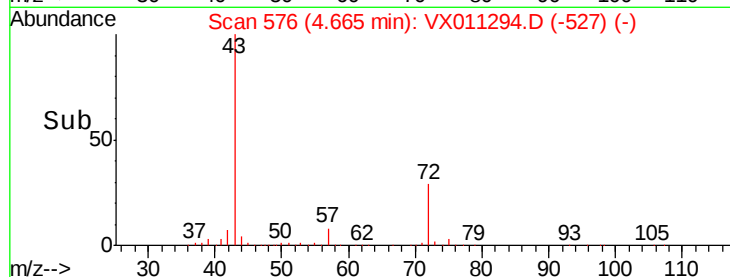
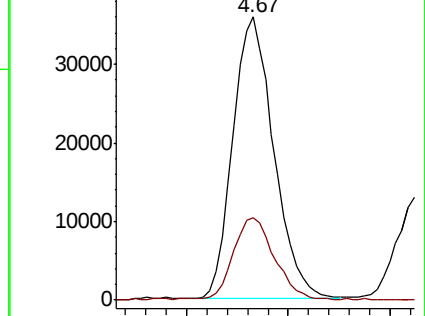
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.058 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011294.D

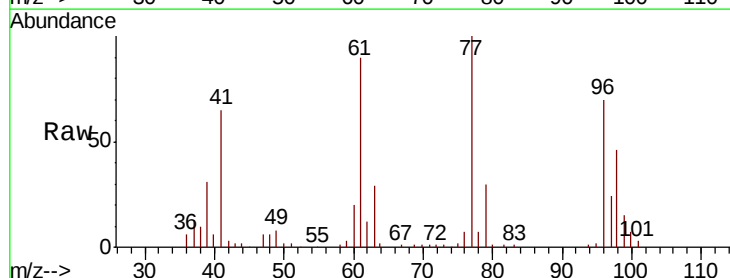
Acq: 02 Aug 2019 11:03

Tgt Ion: 77 Resp: 34128

Ion Ratio Lower Upper

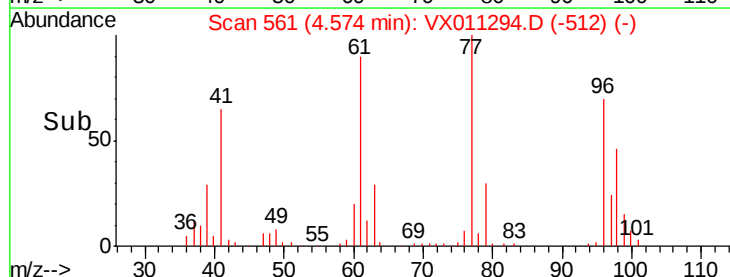
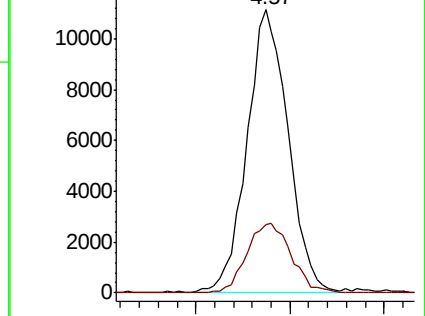
77 100

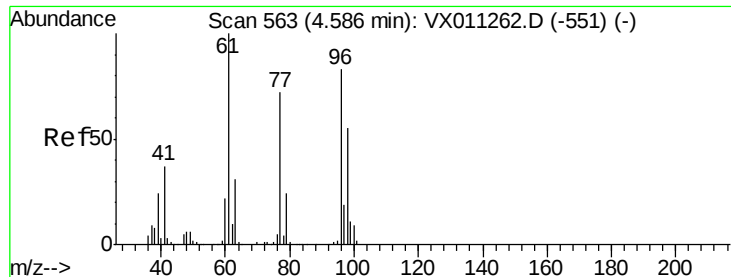
97 26.3 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

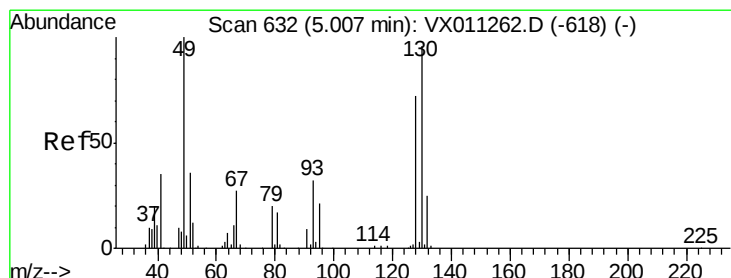
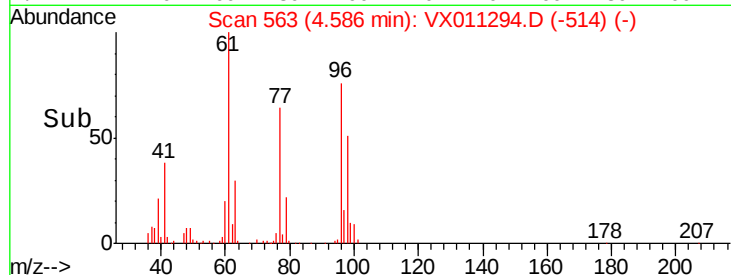
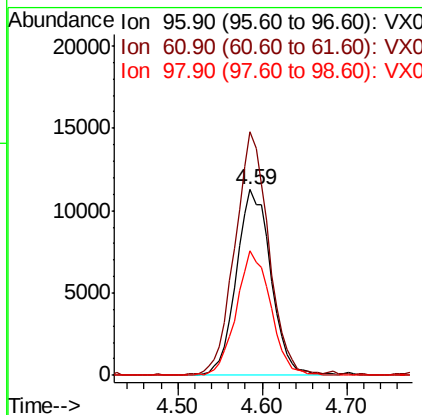
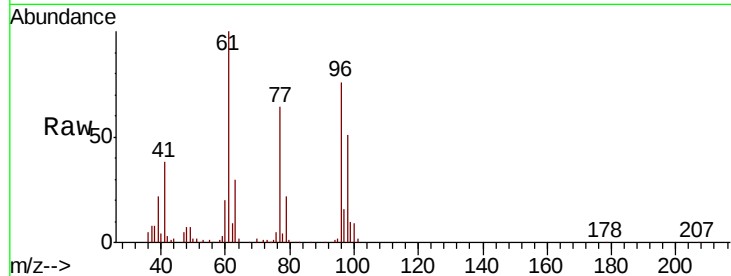
cis-1,2-Dichloroethene
Concen: 18.271 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	128.1	0.0	260.2	
98	66.4	0.0	133.2	

Manual Integrations
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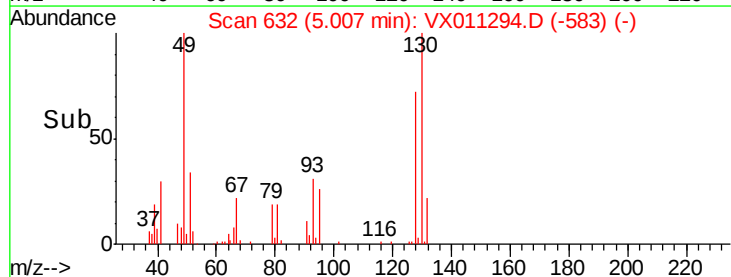
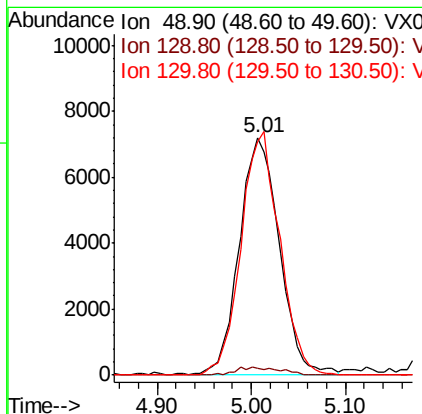
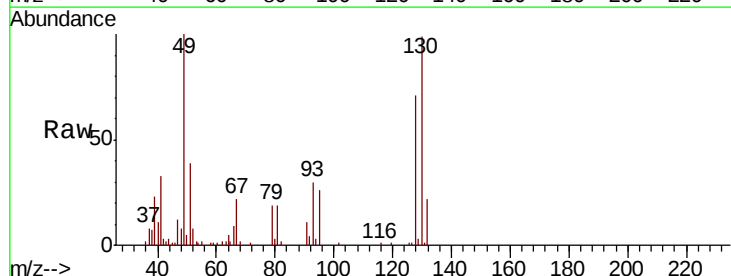
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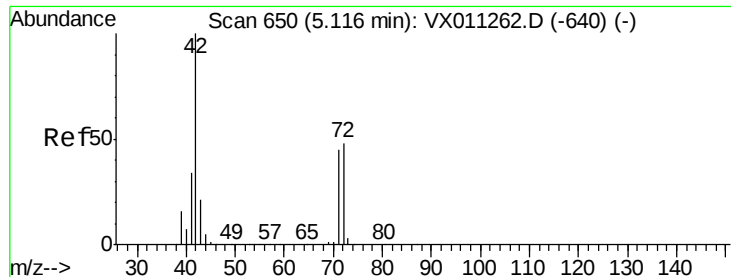


#28

Bromochloromethane
Concen: 19.402 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	5.8	
130	98.5	77.9	116.9	





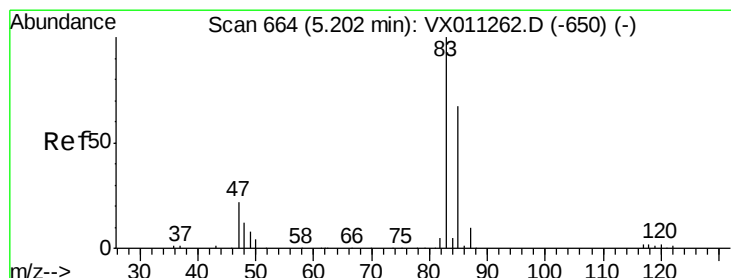
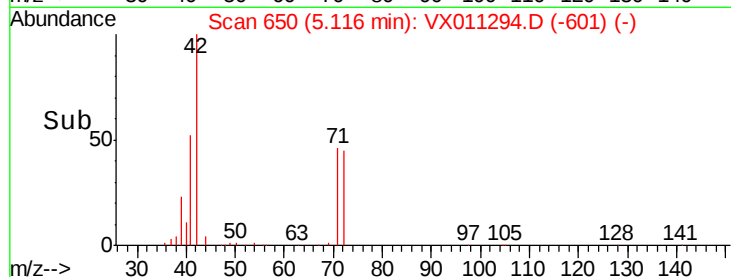
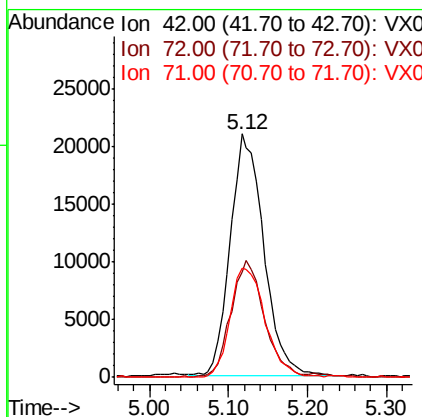
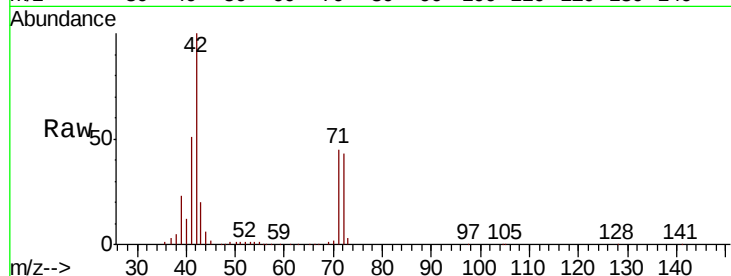
#29
Tetrahydrofuran
Concen: 95.346 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.5	39.9	59.9
71	47.7	36.9	55.3

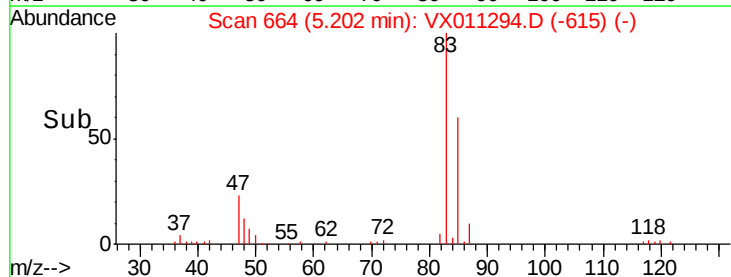
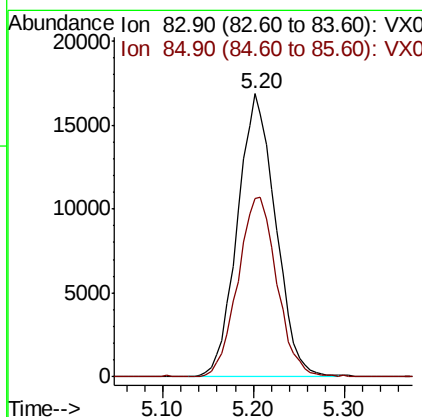
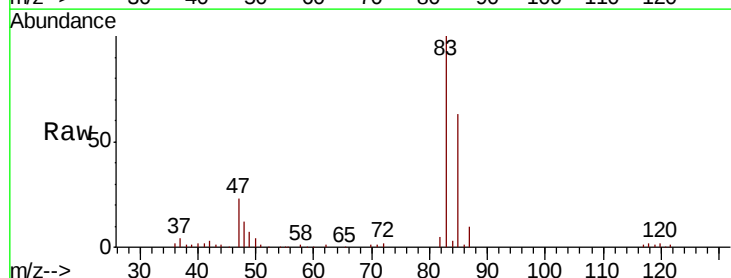
Manual Integrations
APPROVED

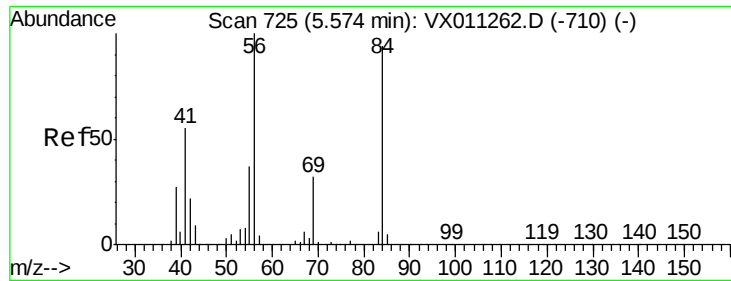
MMDadoda
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#30
Chloroform
Concen: 18.589 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	53.4	80.0





#31

Cyclohexane

Concen: 18.406 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

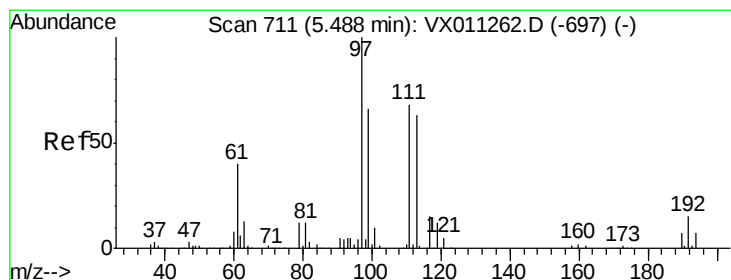
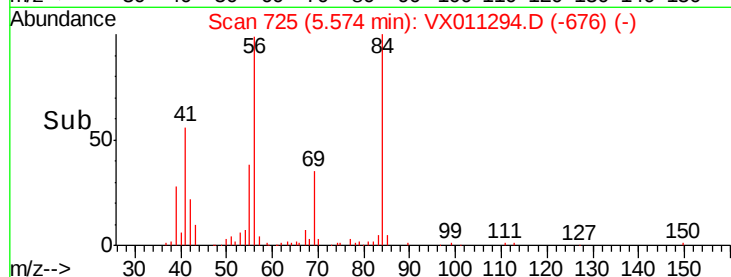
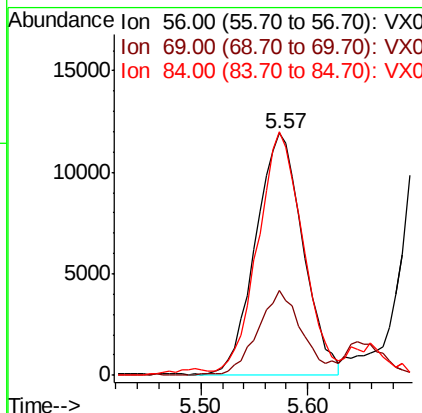
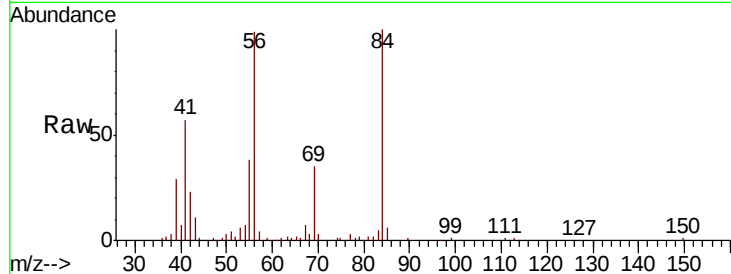
ClientSampleId :

VX0802WBS01

Tot Ion:	56	Resp:	36919
Ion	Ratio	Lower	Upper
56	100		
69	34.8	25.5	38.3
84	98.2	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.547 ug/l

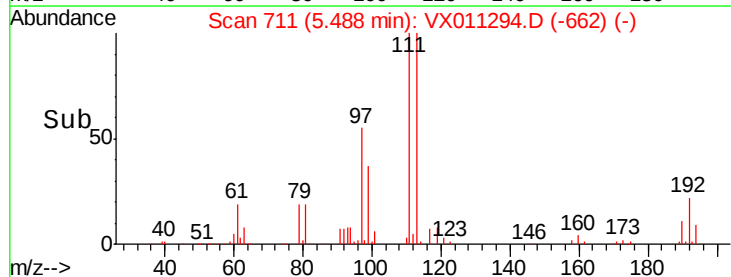
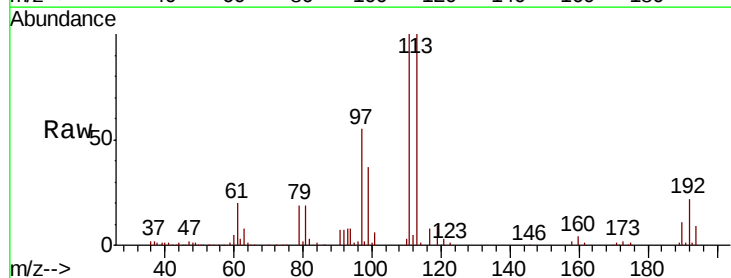
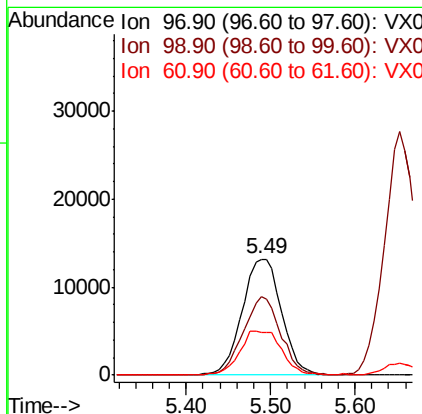
RT: 5.49 min Scan# 711

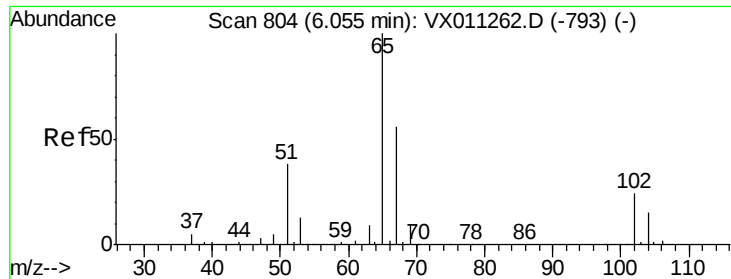
Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Tgt Ion:	97	Resp:	41982
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.6	77.4
61	40.0	32.3	48.5





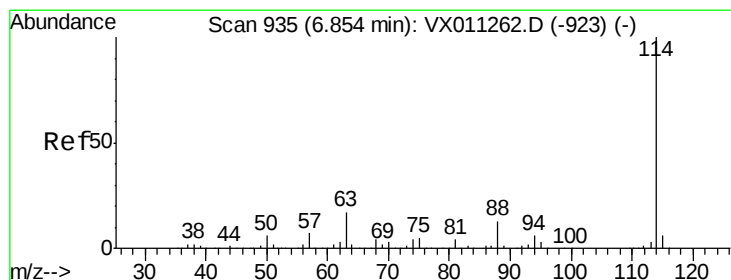
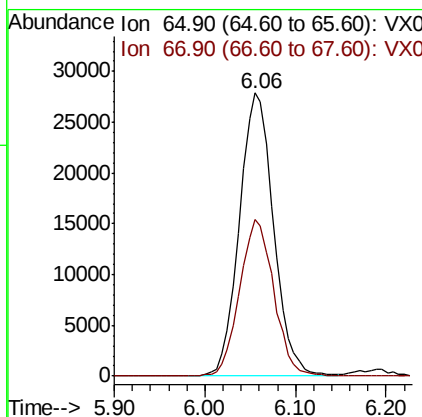
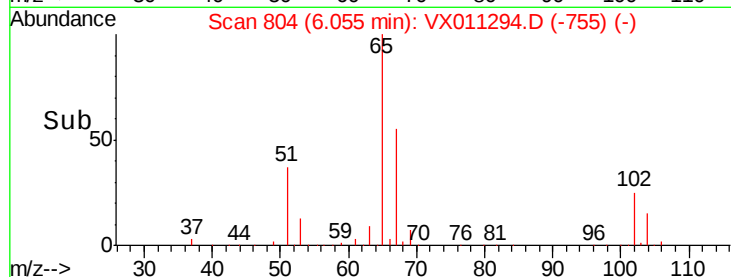
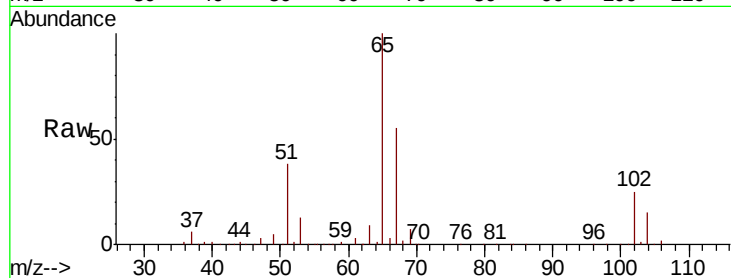
#33
 1,2-Dichloroethane-d4
 Concen: 46.731 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011294.D
 Acq: 02 Aug 2019 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	110.6

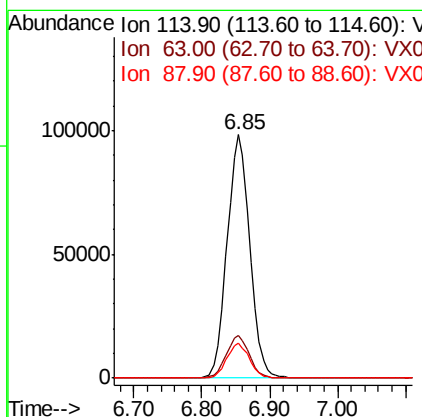
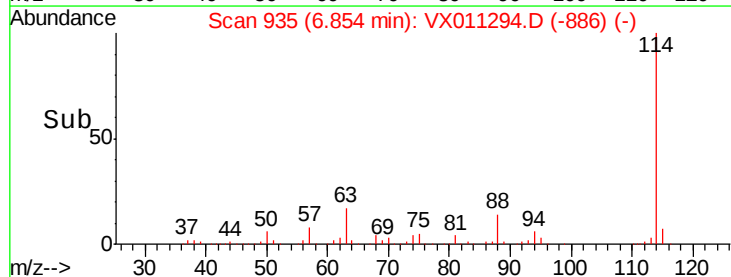
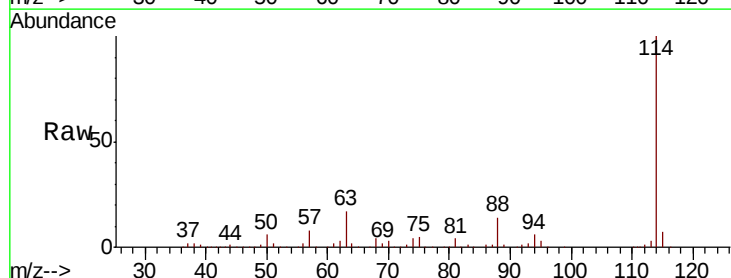
Manual Integrations
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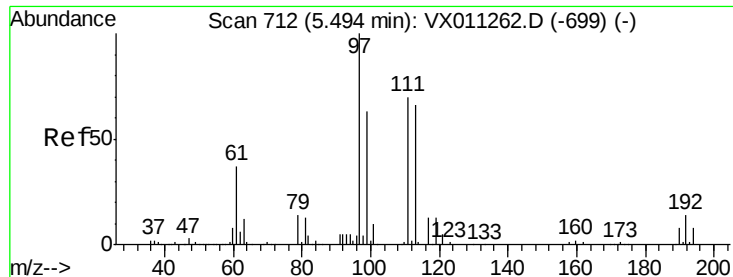
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011294.D
 Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	34.0
88	14.1	0.0	26.4





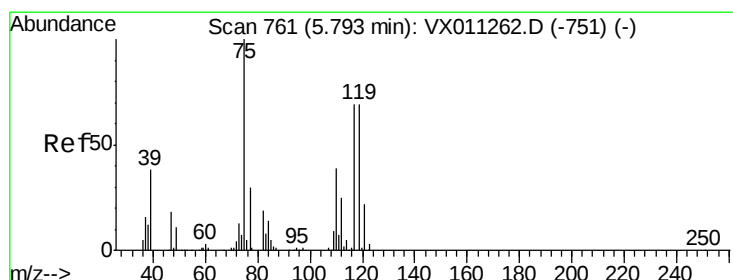
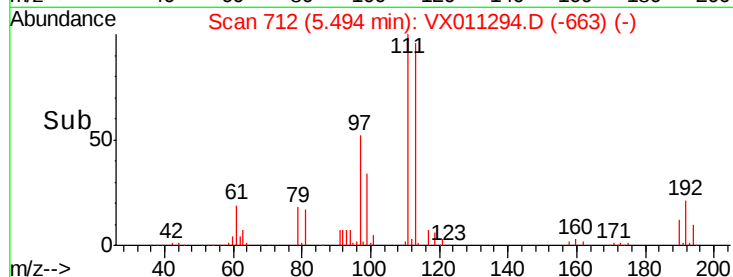
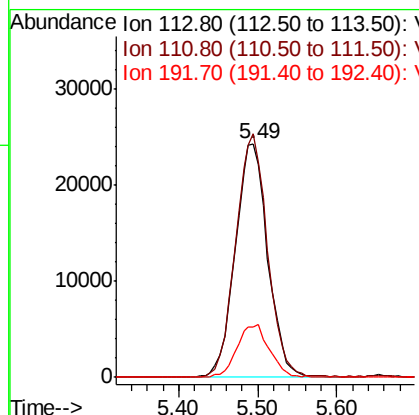
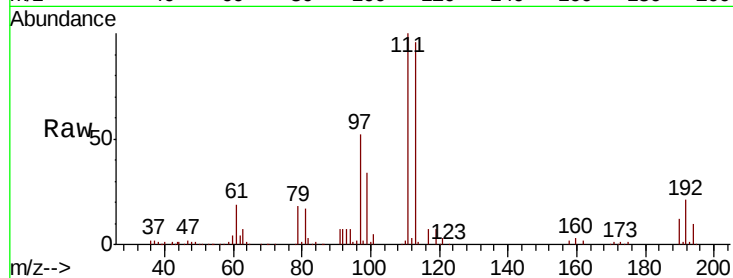
#35
 Dibromofluoromethane
 Concen: 46.979 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011294.D
 Acq: 02 Aug 2019 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	69540		
111	102.1	81.9	122.9	
192	22.3	17.8	26.8	

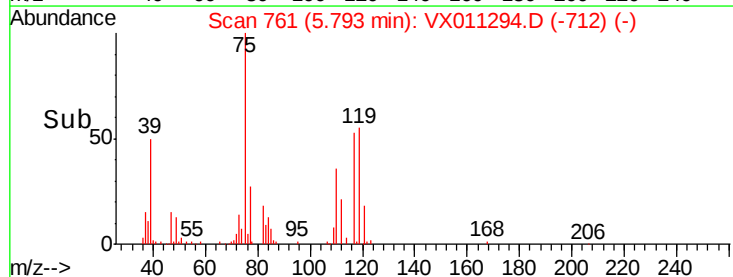
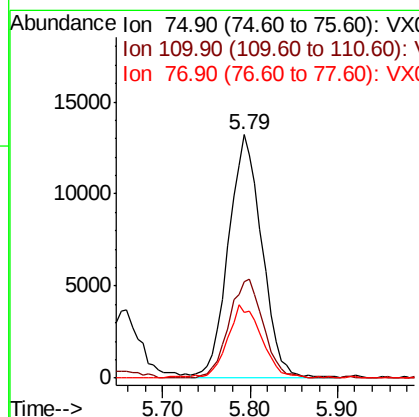
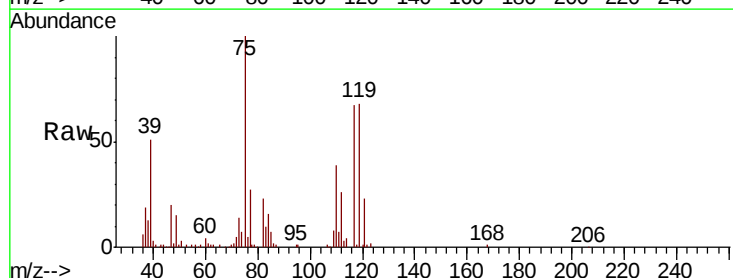
Manual Integrations
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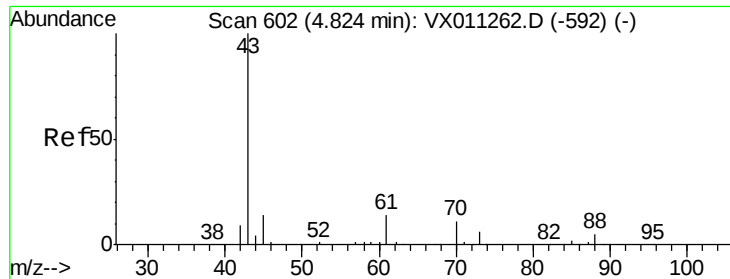
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#36
 1,1-Dichloropropene
 Concen: 17.746 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011294.D
 Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35128		
110	41.8	20.0	59.9	
77	31.1	24.8	37.2	





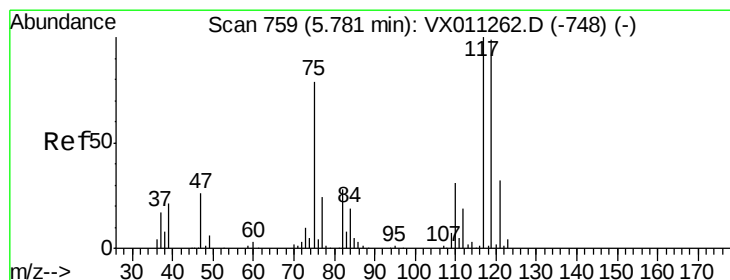
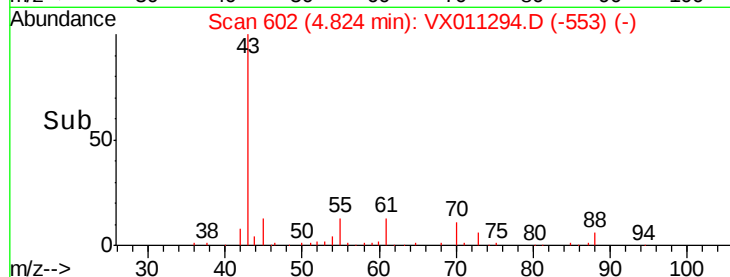
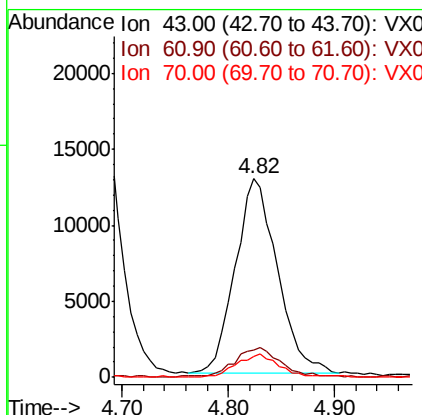
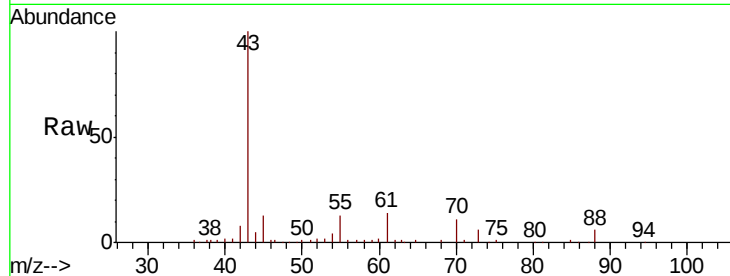
#37
Ethyl Acetate
Concen: 17.903 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.9	12.6	18.8
70	12.1	9.1	13.7

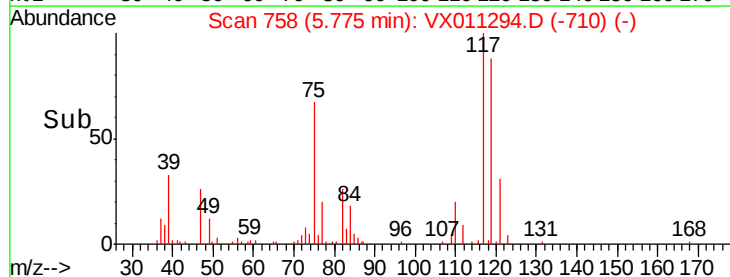
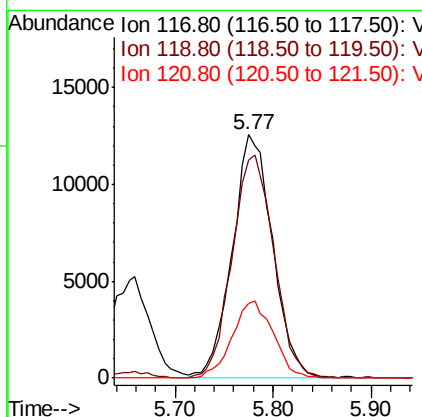
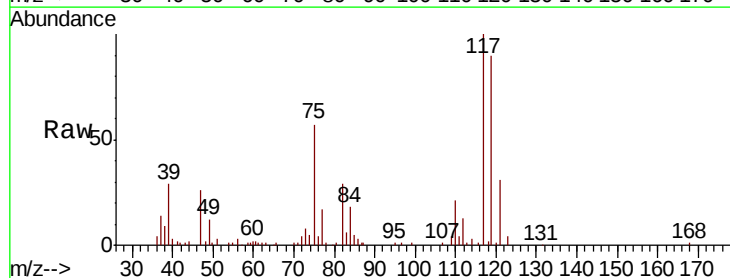
Manual Integrations
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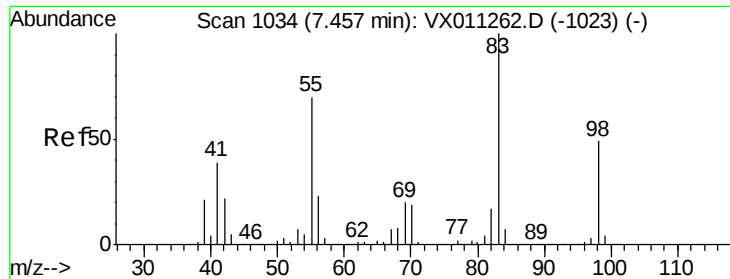
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#38
Carbon Tetrachloride
Concen: 18.067 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.7	79.0	118.4
121	30.7	25.9	38.9





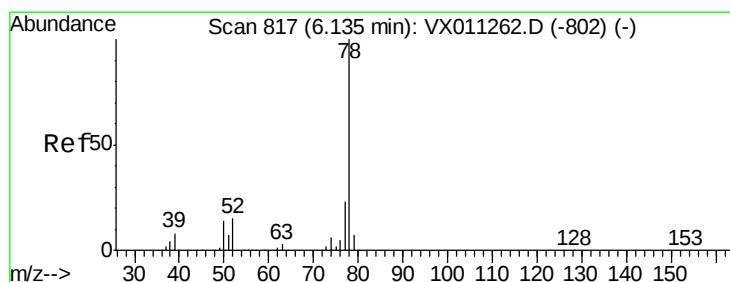
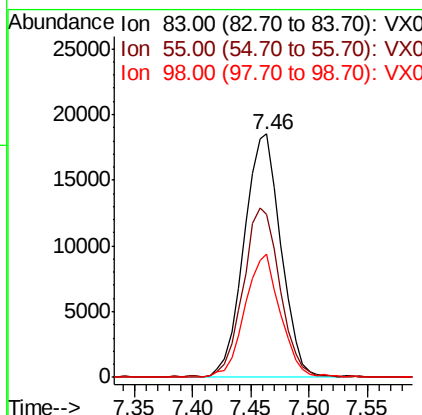
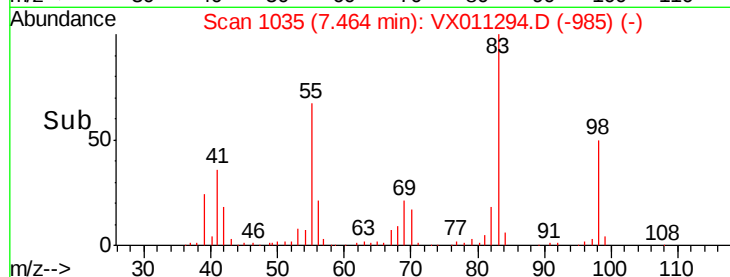
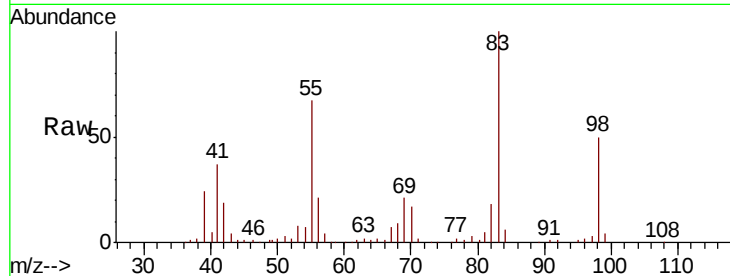
#39
Methvlcvclohexane
Concen: 17.405 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.4	56.1	84.1
98	50.5	39.0	58.4

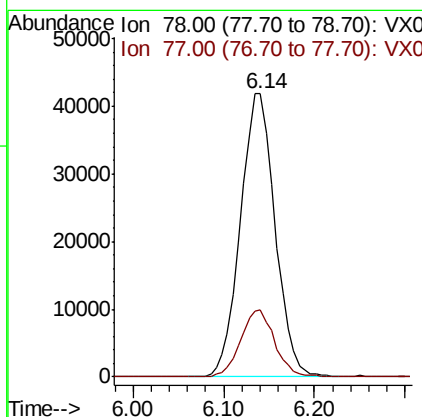
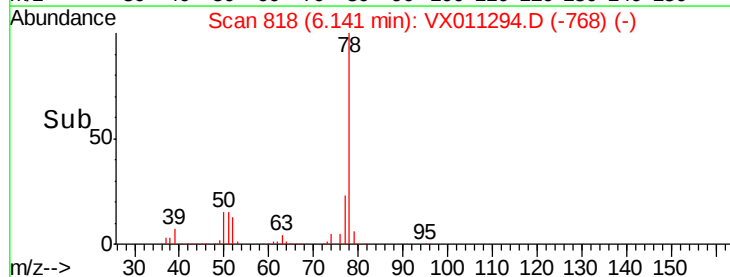
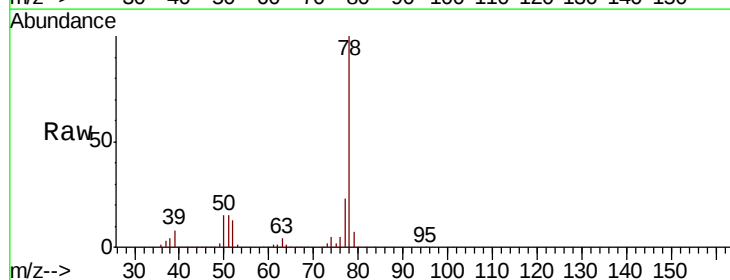
Manual Integrations
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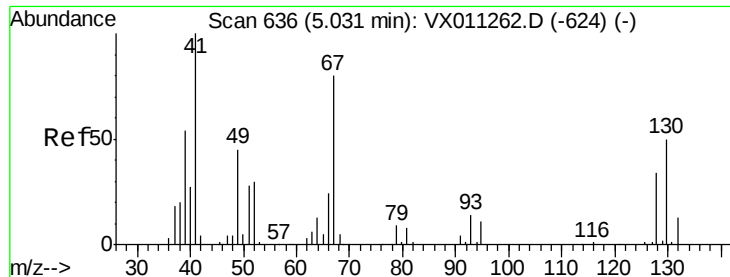
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#40
Benzene
Concen: 18.750 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.2





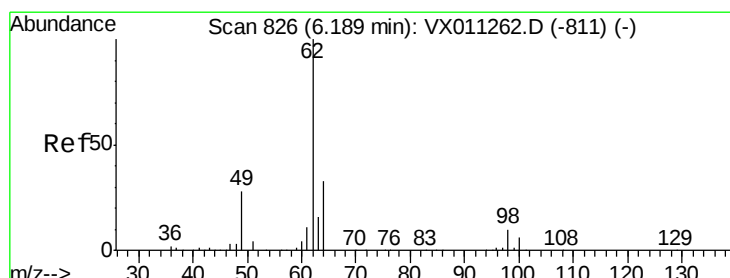
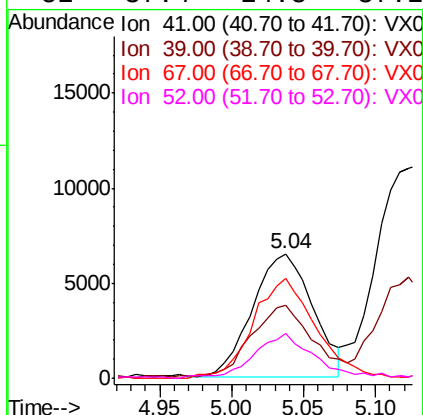
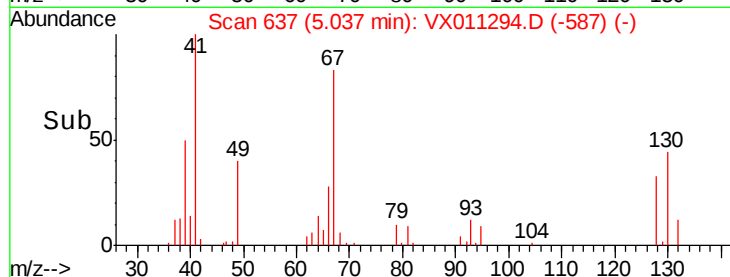
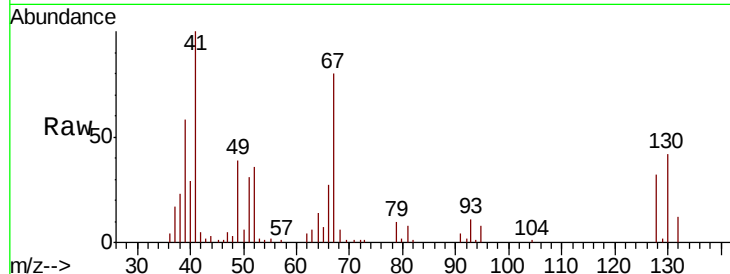
#41
Methacrylonitrile
Concen: 17.306 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.0	43.0	64.6
67	84.2	65.1	97.7
52	37.4	24.8	37.2#

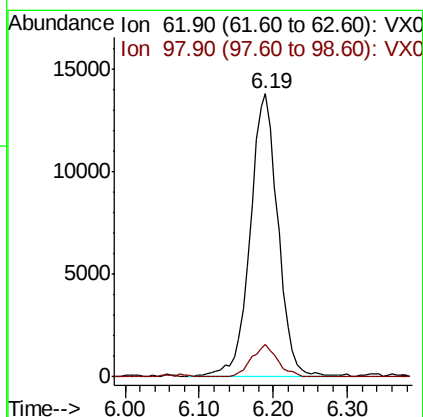
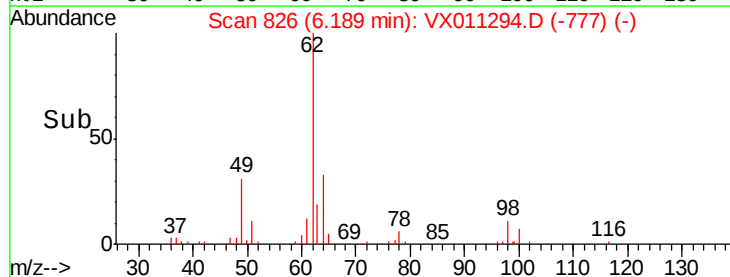
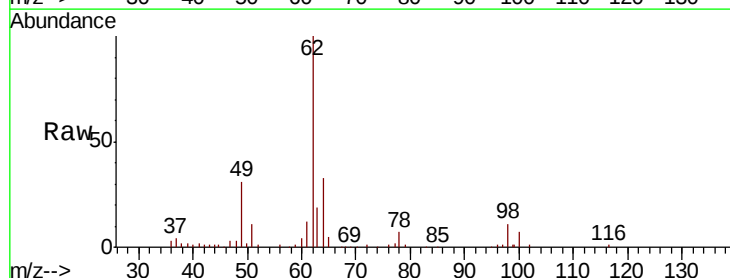
Manual Integrations
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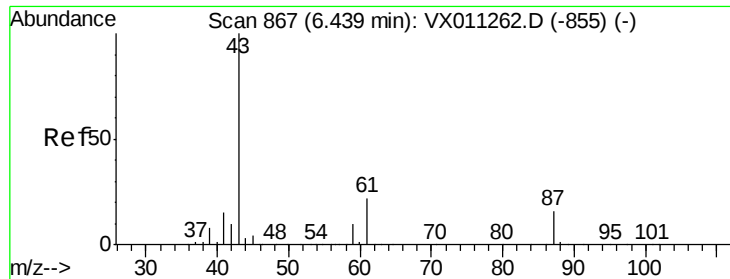
MMDadoda
8/6/2019 12:11:41 PM



#42
1,2-Dichloroethane
Concen: 18.158 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.6





#43

Isopropyl Acetate

Concen: 18.013 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

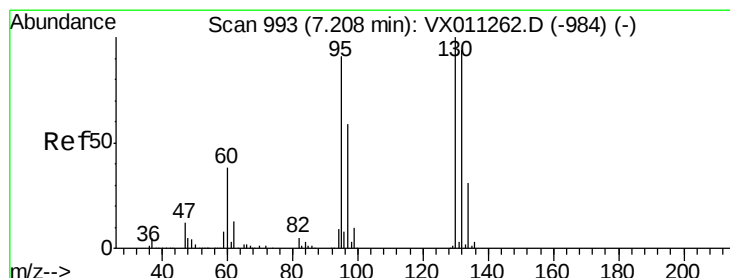
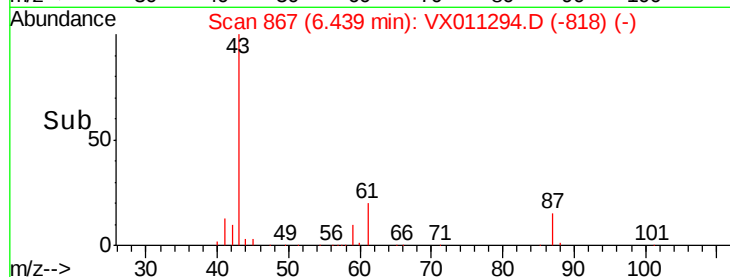
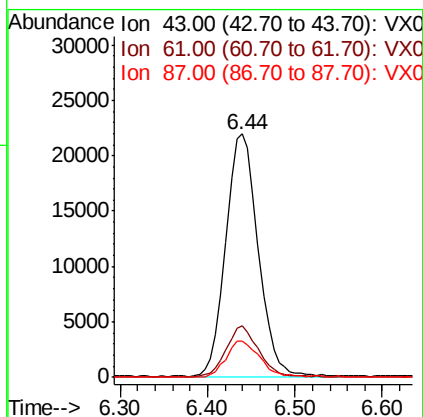
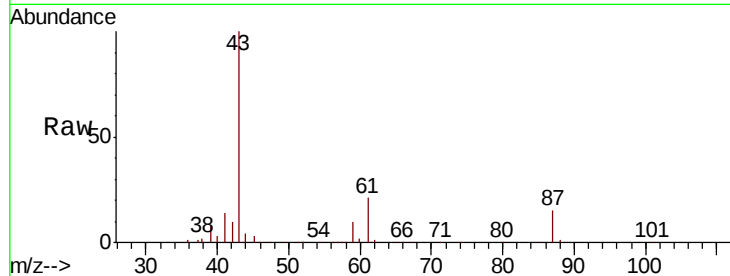
ClientSampleId :

VX0802WBS01

Tot Ion:	43	Resp:	57183
Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.5	24.7
87	15.4	12.1	18.1

Manual Integrations
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#44

Trichloroethene

Concen: 18.413 ug/l

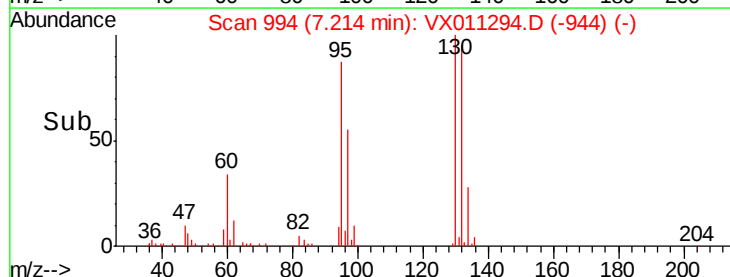
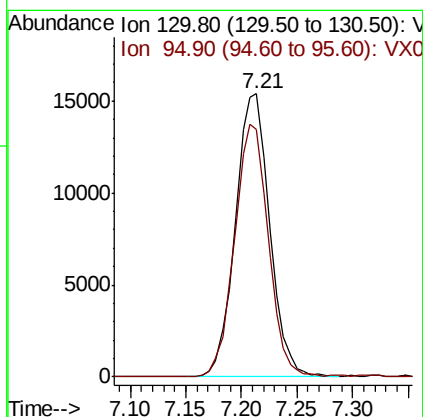
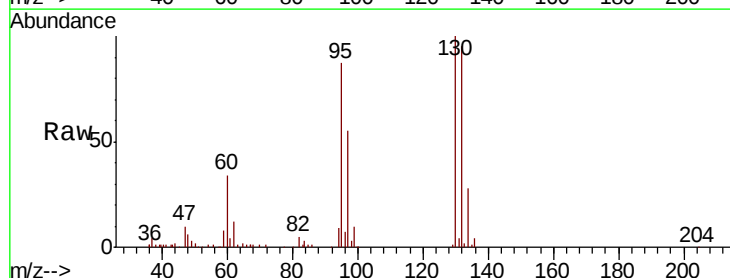
RT: 7.21 min Scan# 994

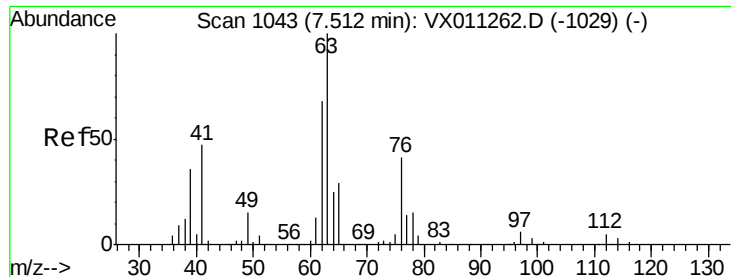
Delta R.T. 0.01 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Tgt Ion:	130	Resp:	32921
Ion	Ratio	Lower	Upper
130	100		
95	87.3	0.0	182.6





#45

1,2-Dichloropropane

Concen: 18.212 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

VX0802WBS01

Tot Ion: 63 Resp: 27861

Ion Ratio Lower Upper

63 100

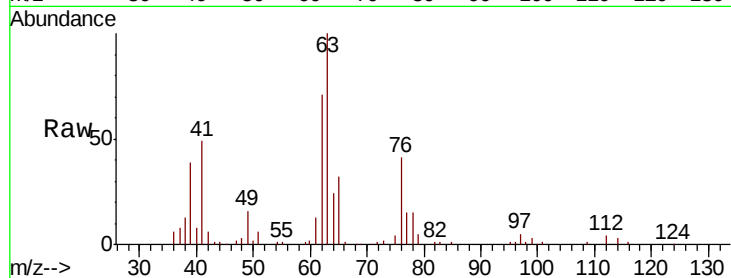
65 31.9 23.3 34.9

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

15000

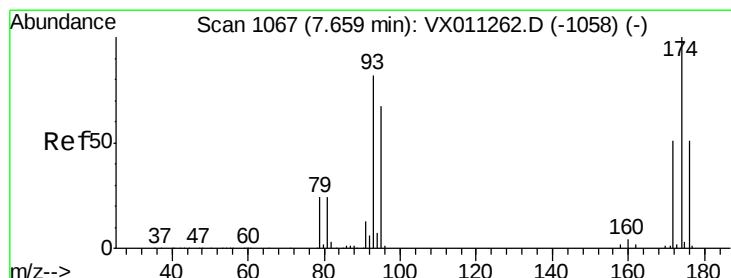
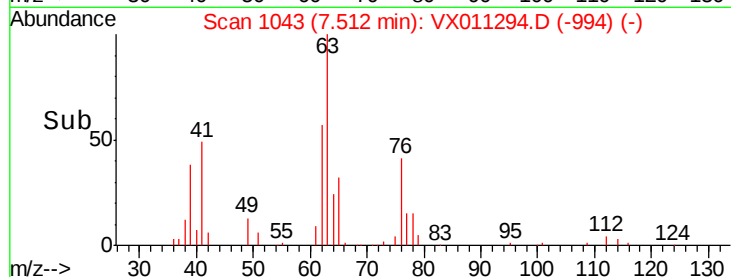
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 17.322 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

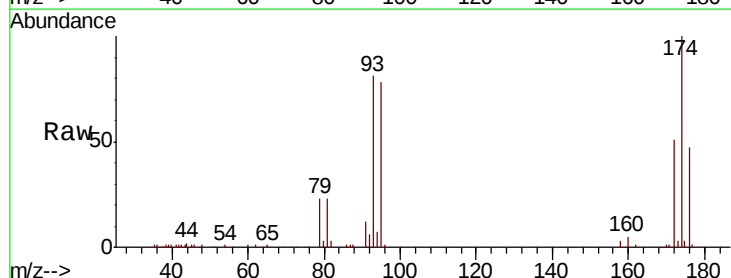
Tgt Ion: 93 Resp: 19345

Ion Ratio Lower Upper

93 100

95 88.1 66.4 99.6

174 118.5 93.4 140.2



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

15000

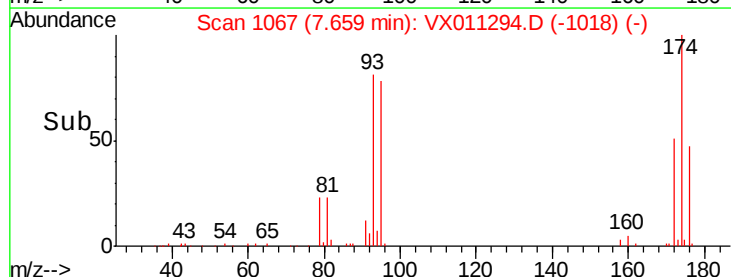
10000

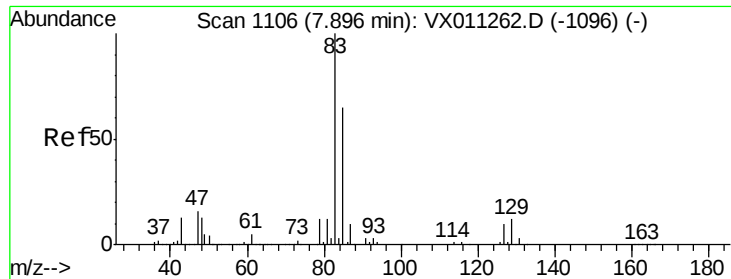
5000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 18.013 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

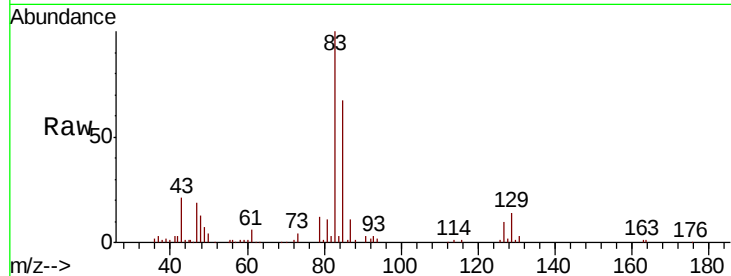
ClientSampleId :

VX0802WBS01

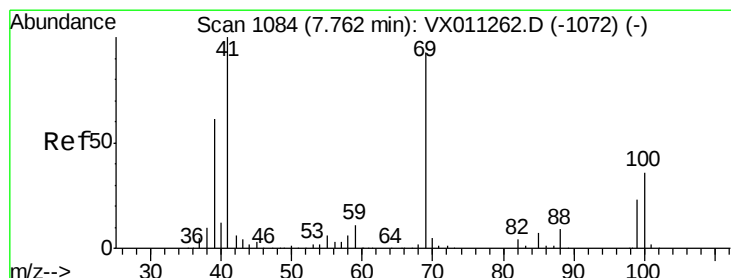
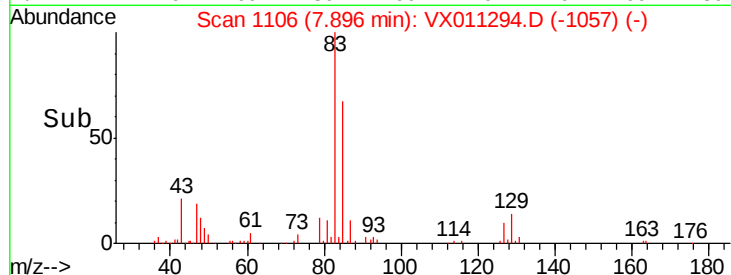
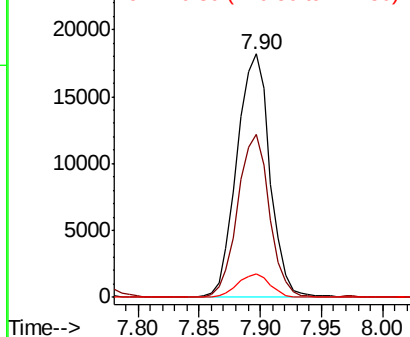
Tot Ion:	83	Resp:	34059
Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.2	78.2
127	9.8	7.8	11.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.164 ug/l

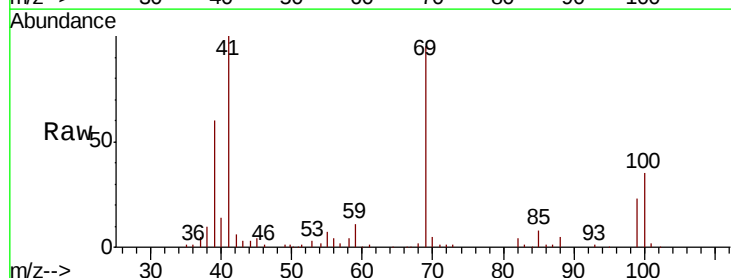
RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

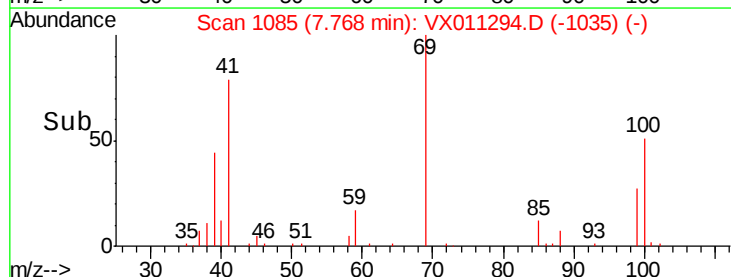
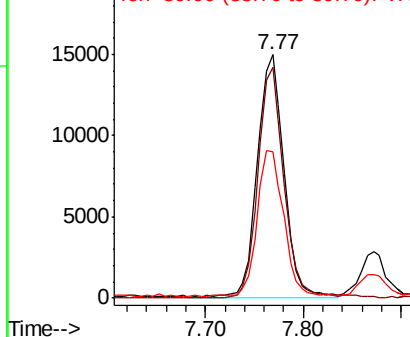
Lab File: VX011294.D

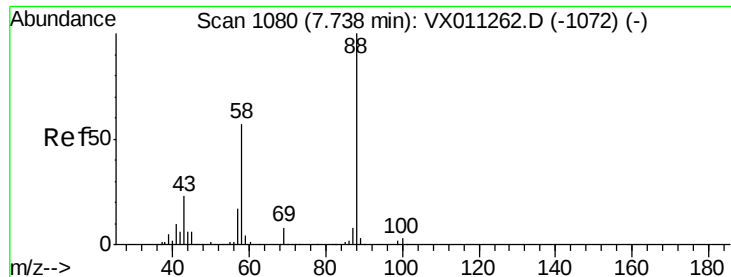
Acq: 02 Aug 2019 11:03

Tgt Ion:	41	Resp:	28630
Ion	Ratio	Lower	Upper
41	100		
69	91.2	74.5	111.7
39	57.8	48.6	72.8



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 363.993 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

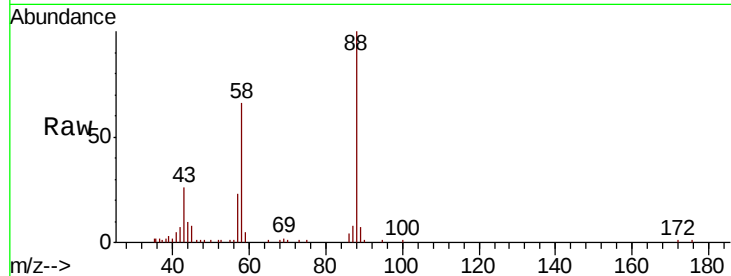
ClientSampleId :

VX0802WBS01

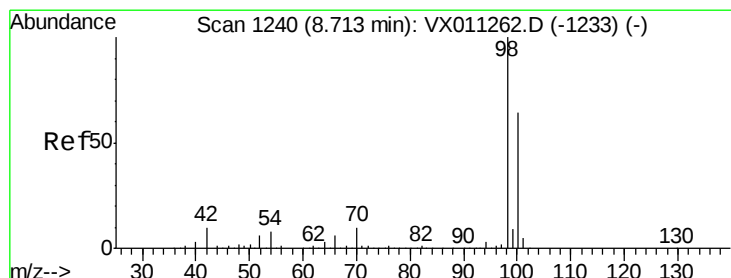
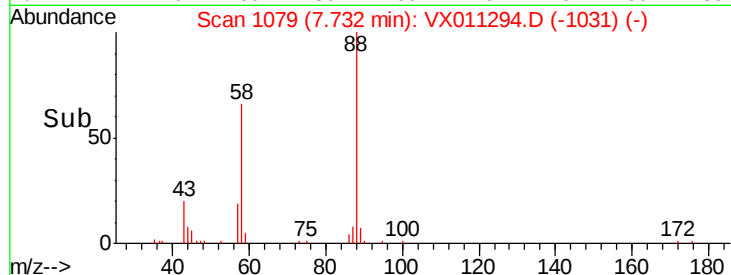
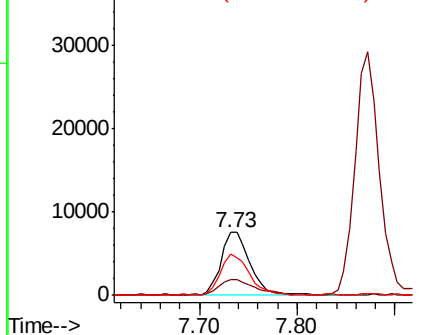
Tot Ion:	88	Resp:	15765
Ion	Ratio	Lower	Upper
88	100		
43	29.4	22.2	33.2
58	62.5	47.8	71.8

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 46.785 ug/l

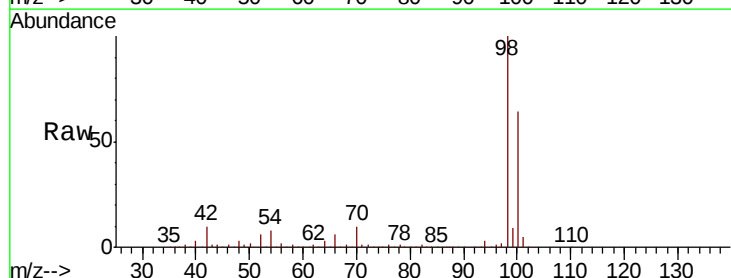
RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

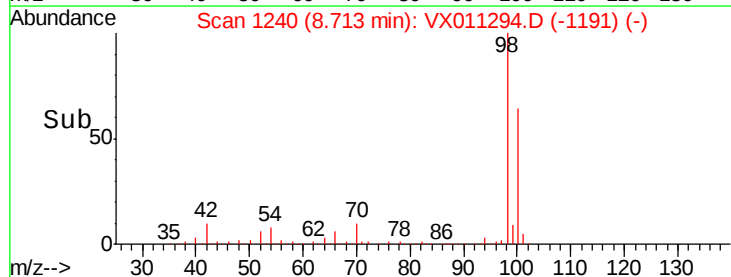
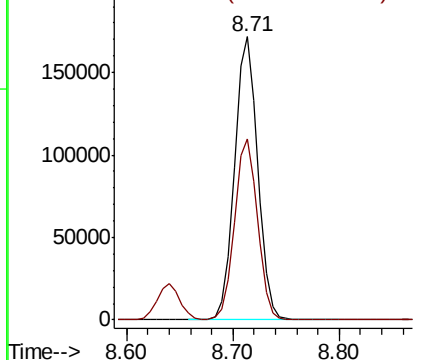
Lab File: VX011294.D

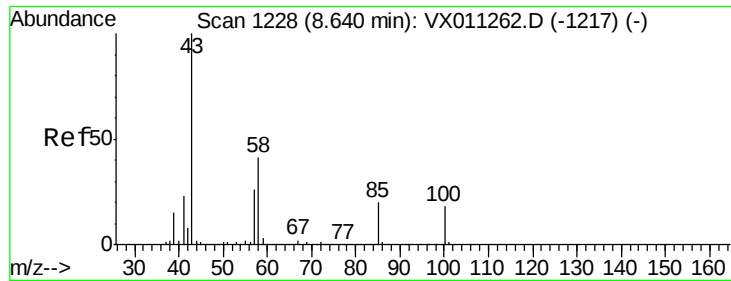
Acq: 02 Aug 2019 11:03

Tgt Ion:	98	Resp:	261405
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 94.707 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

VX0802WBS01

Tot Ion: 43 Resp: 194026

Ion Ratio Lower Upper

43 100

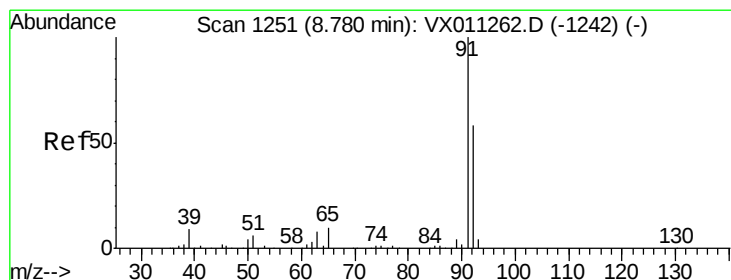
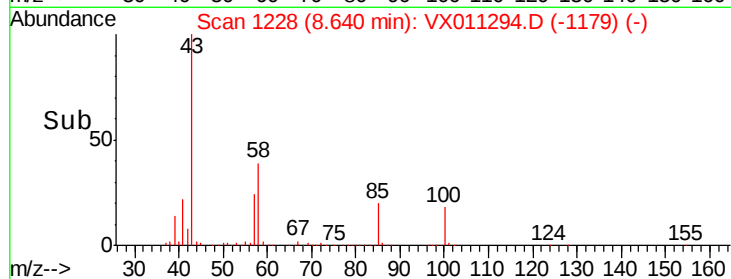
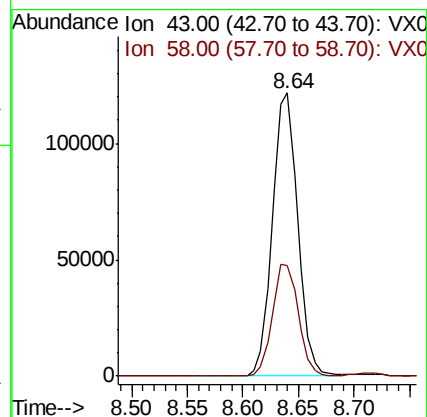
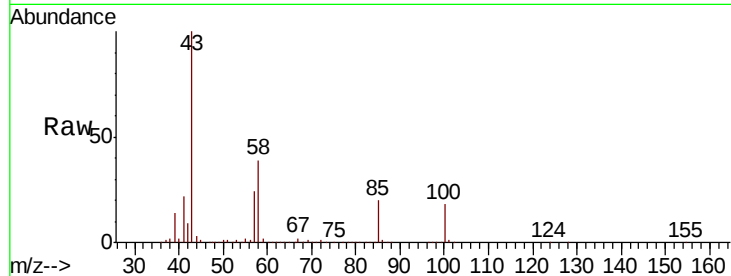
58 40.5 32.3 48.5

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#52

Toluene

Concen: 18.535 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011294.D

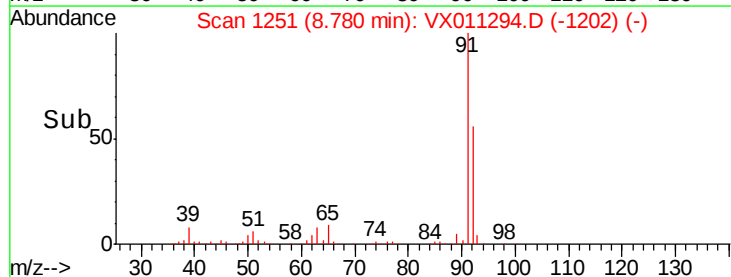
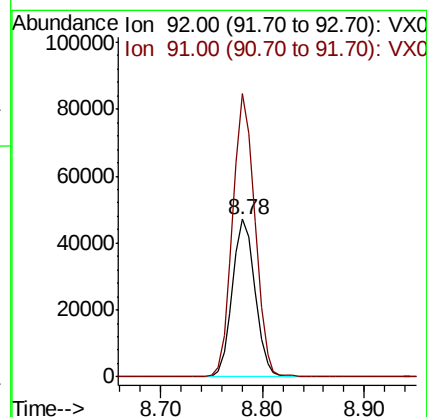
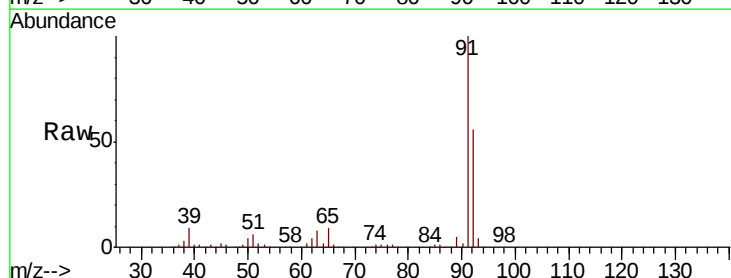
Acq: 02 Aug 2019 11:03

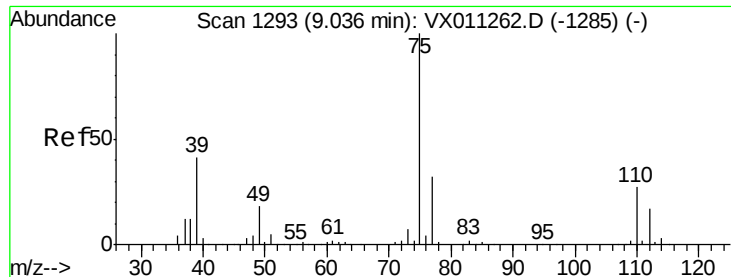
Tgt Ion: 92 Resp: 72389

Ion Ratio Lower Upper

92 100

91 176.8 139.4 209.0





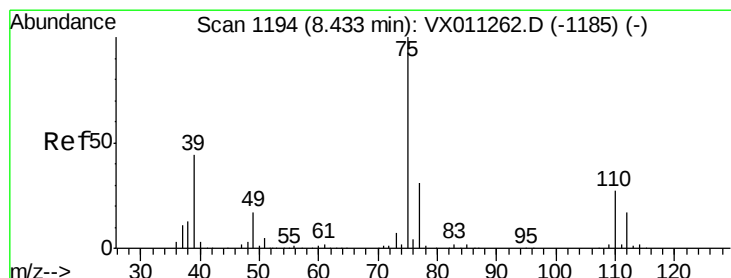
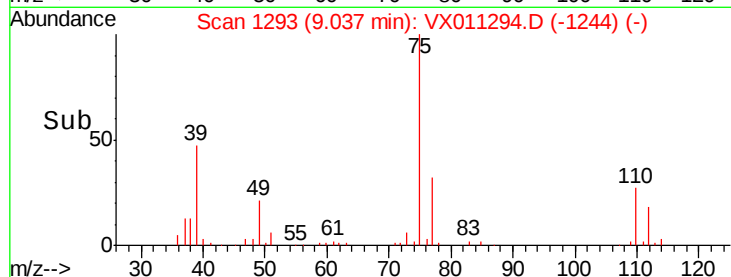
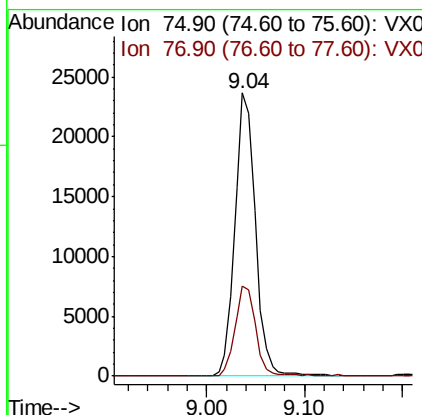
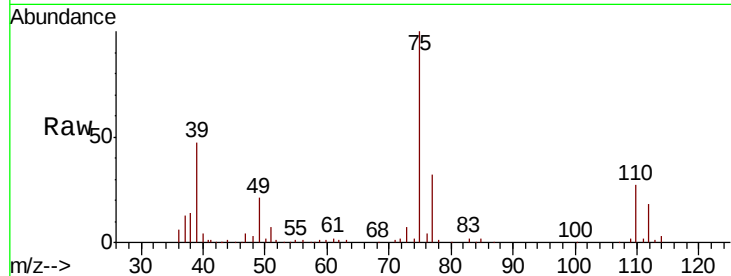
#53
t-1,3-Dichloropropene
Concen: 17.664 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

Tot Ion: 75 Resp: 34612
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0

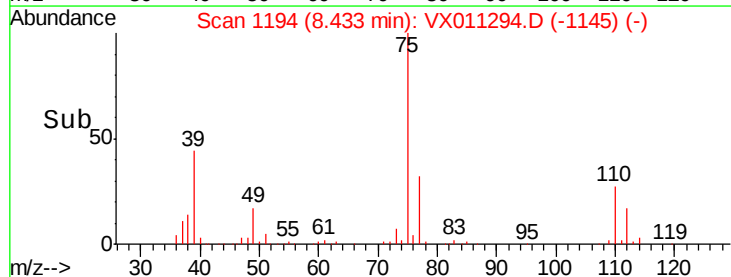
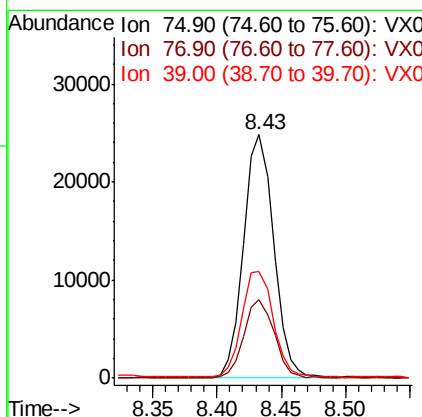
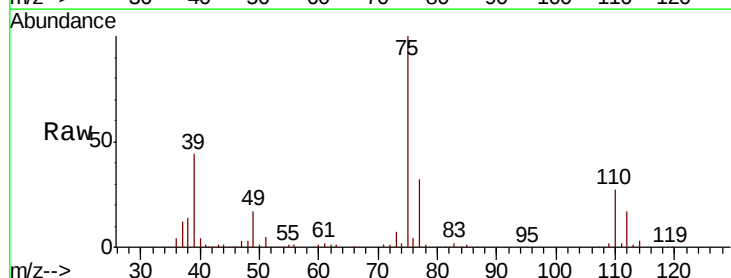
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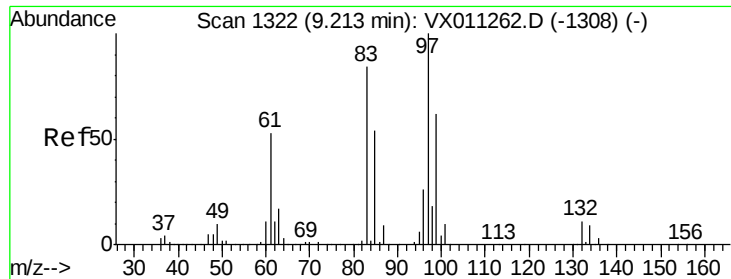
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#54
cis-1,3-Dichloropropene
Concen: 18.273 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion: 75 Resp: 40360
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.6
39 43.2 35.3 52.9





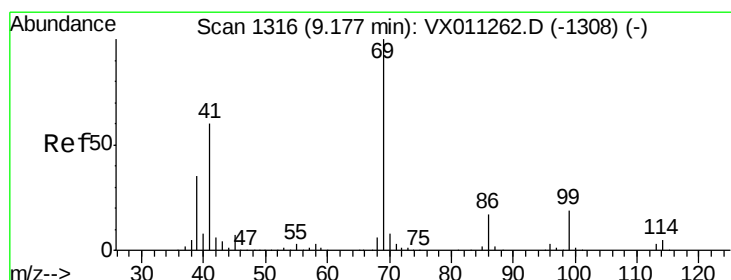
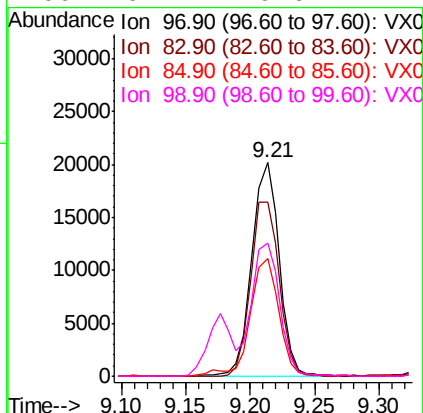
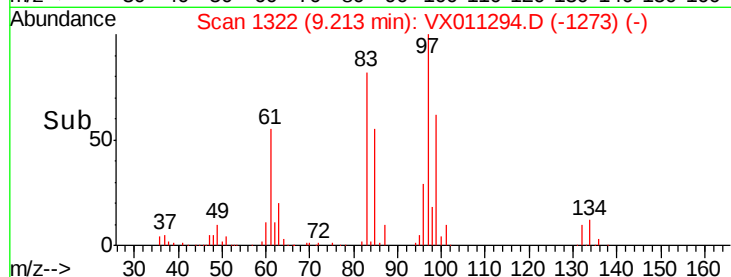
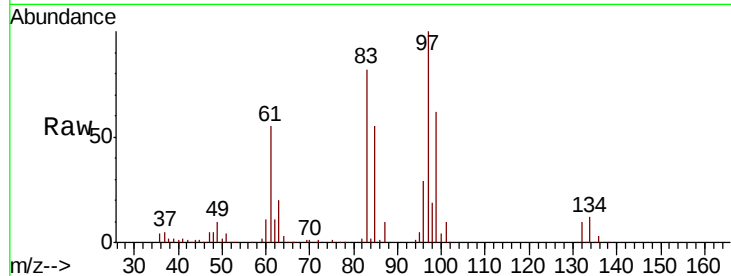
#55
 1,1,2-Trichloroethane
 Concen: 18.333 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011294.D
 Acq: 02 Aug 2019 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion:	97	Resp:	29439
Ion	Ratio	Lower	Upper
97	100		
83	81.6	67.6	101.4
85	54.9	43.4	65.0
99	62.2	49.6	74.4

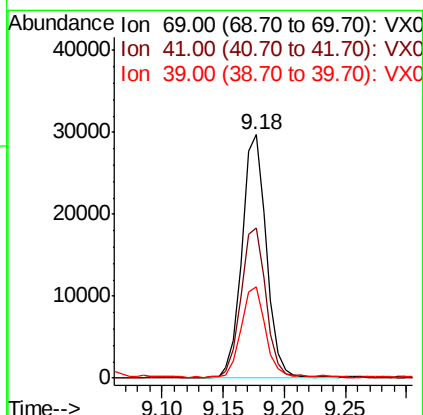
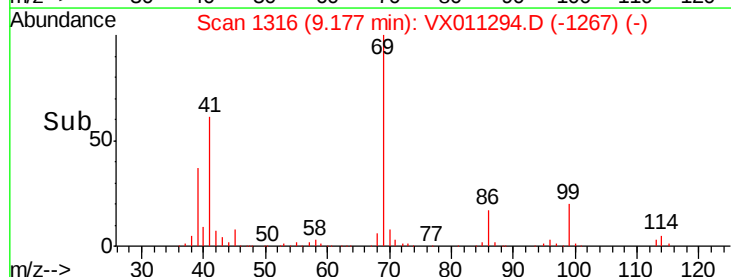
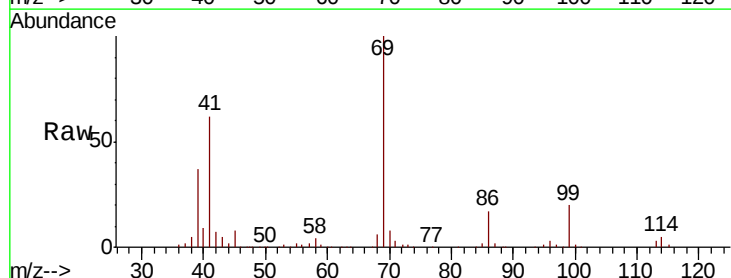
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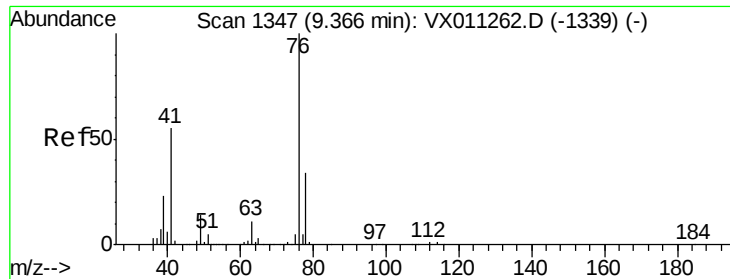
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#56
 Ethyl methacrylate
 Concen: 17.977 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011294.D
 Acq: 02 Aug 2019 11:03

Tgt Ion:	69	Resp:	41137
Ion	Ratio	Lower	Upper
69	100		
41	62.6	48.6	73.0
39	36.7	29.4	44.2





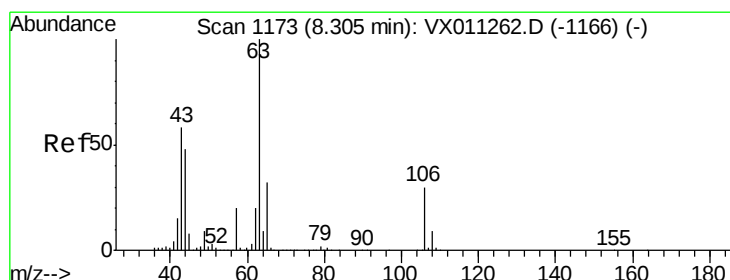
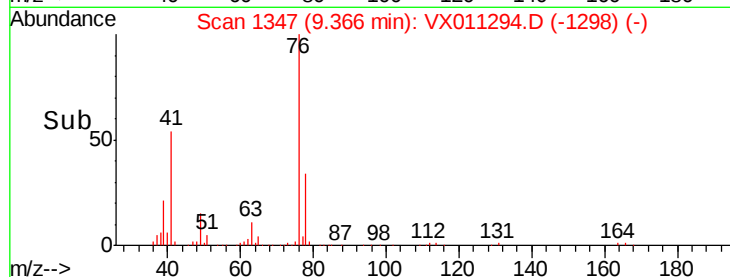
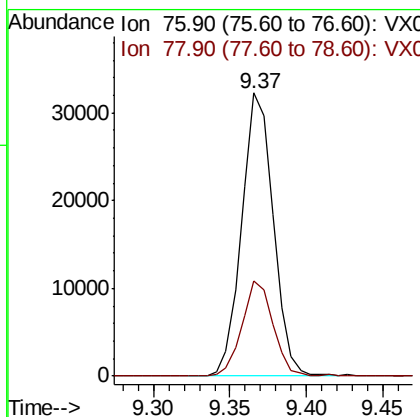
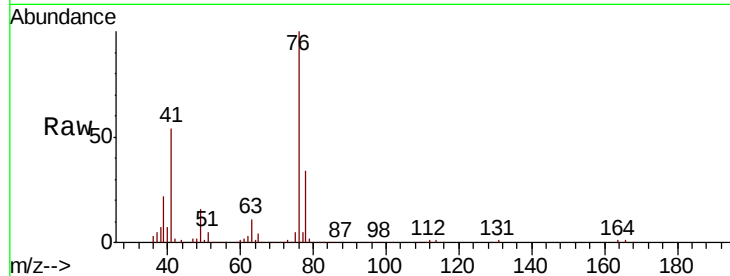
#57
 1,3-Dichloropropane
 Concen: 18.251 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011294.D
 Acq: 02 Aug 2019 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion: 76 Resp: 46348
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.6 40.0

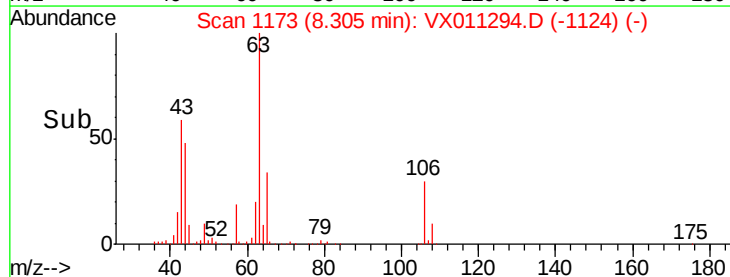
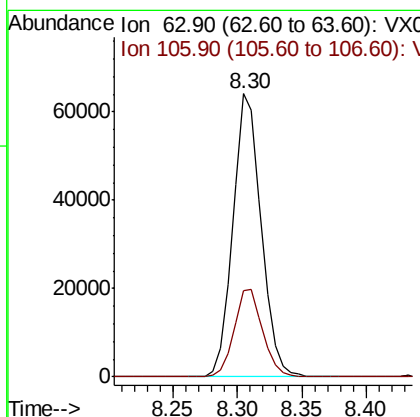
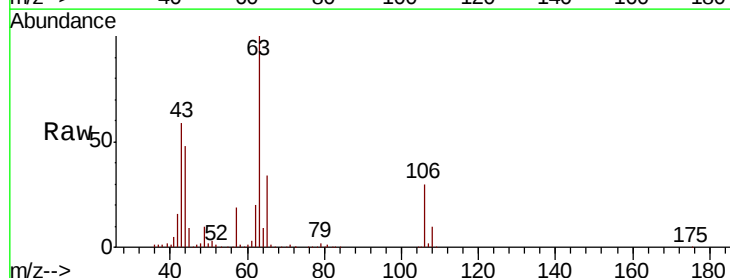
Manual Integrations
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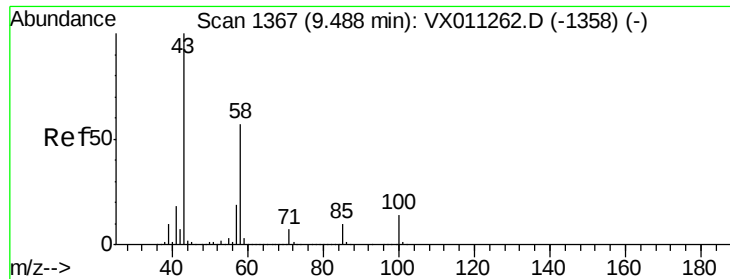
MMDadoda
 8/6/2019 12:11:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.074 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011294.D
 Acq: 02 Aug 2019 11:03

Tgt Ion: 63 Resp: 97971
 Ion Ratio Lower Upper
 63 100
 106 31.1 24.4 36.6





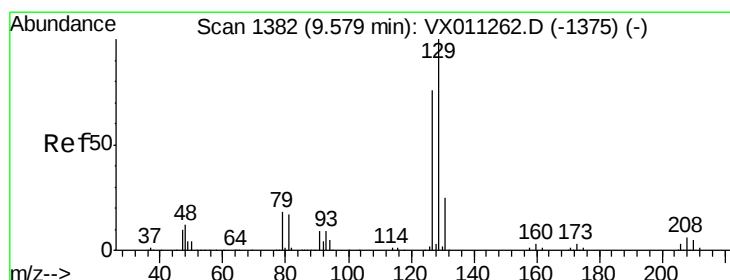
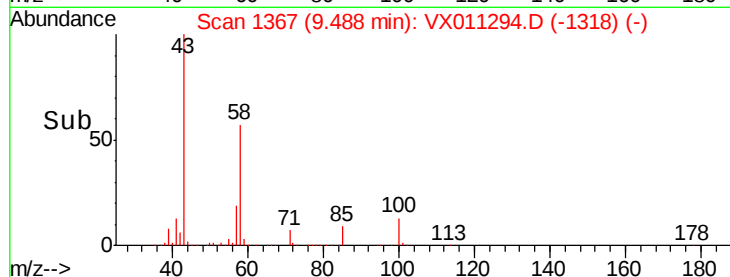
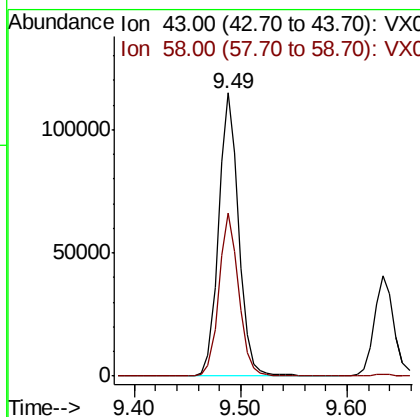
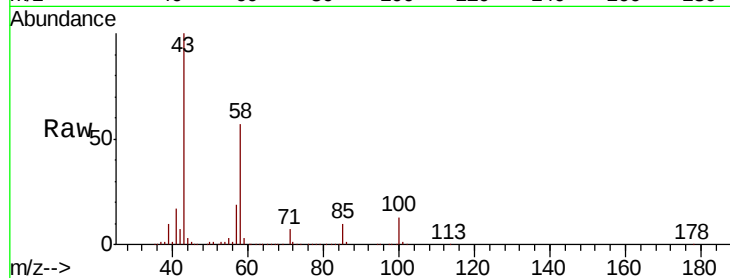
#59
2-Hexanone
Concen: 94.626 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion: 43 Resp: 150158
Ion Ratio Lower Upper
43 100
58 56.6 28.2 84.6

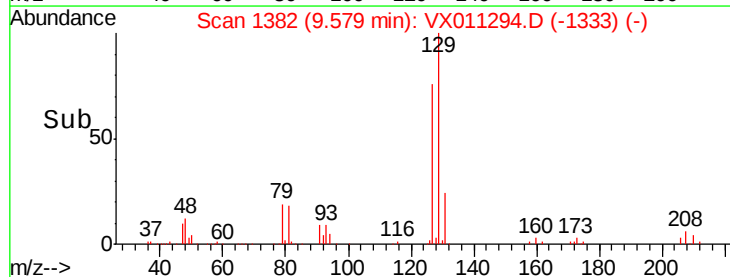
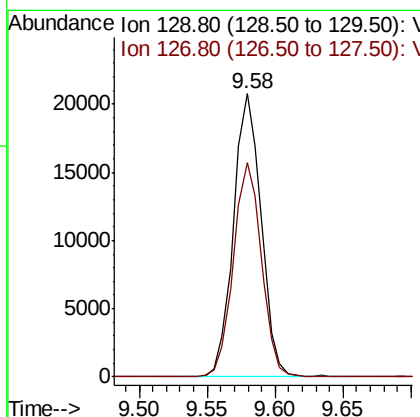
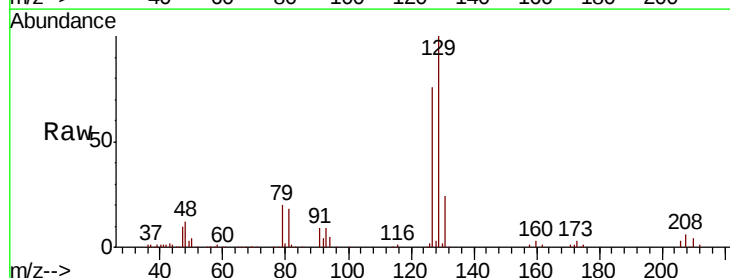
Manual Integrations
APPROVED

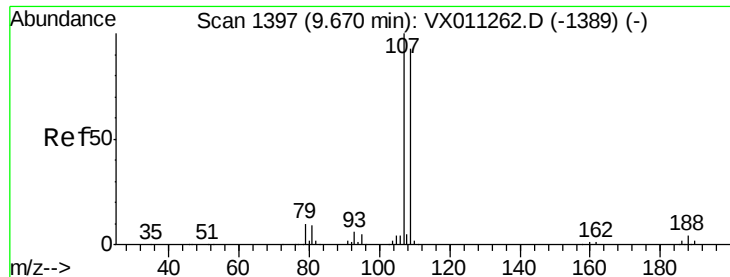
MMDadoda
8/6/2019 12:11:41 PM



#60
Dibromochloromethane
Concen: 17.893 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion: 129 Resp: 29416
Ion Ratio Lower Upper
129 100
127 76.7 39.2 117.6





#61

1,2-Dibromoethane

Concen: 18.198 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

VX0802WBS01

Tot Ion:107 Resp: 31571

Ion Ratio Lower Upper

107 100

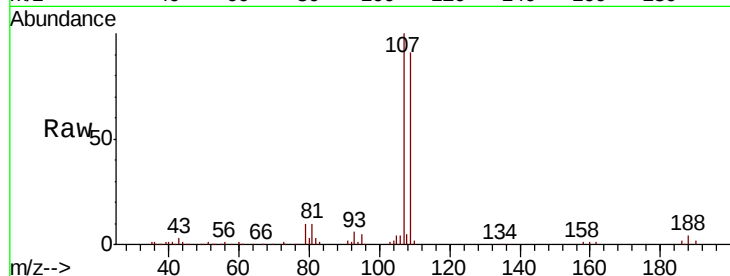
109 95.0 76.6 114.8

Manual Integrations

APPROVED

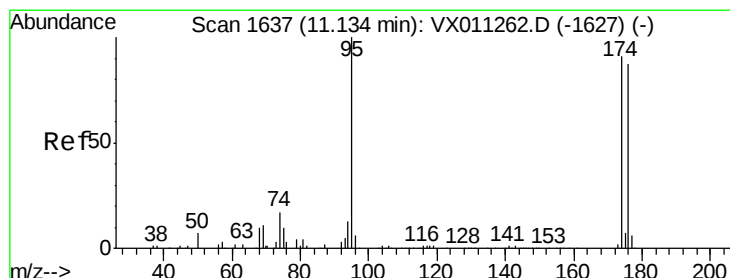
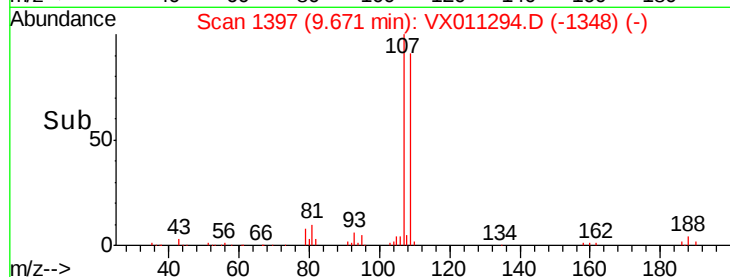
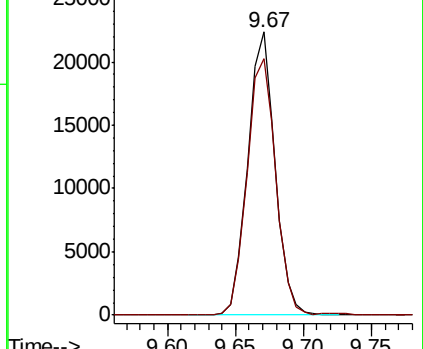
MMDadoda

8/6/2019 12:11:41 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.562 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

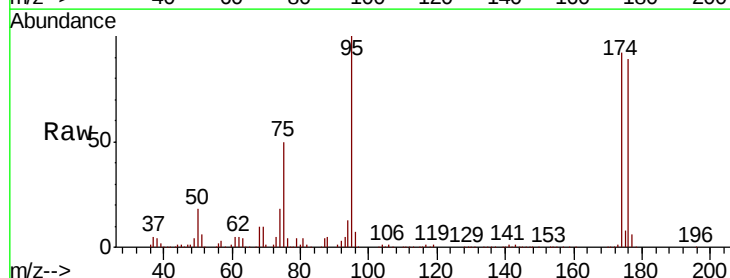
Tgt Ion: 95 Resp: 90890

Ion Ratio Lower Upper

95 100

174 94.8 0.0 191.2

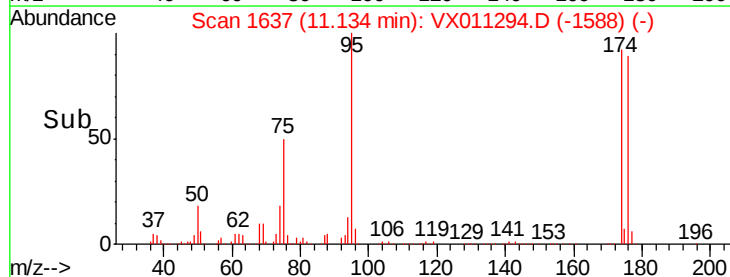
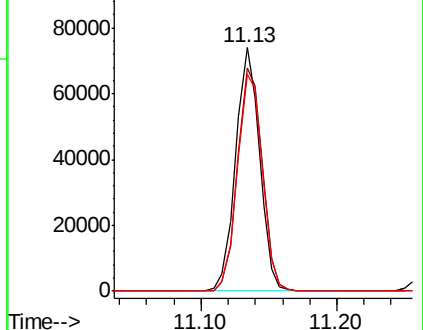
176 92.9 0.0 184.8

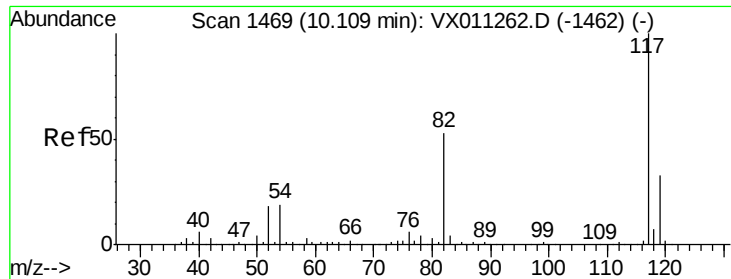


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





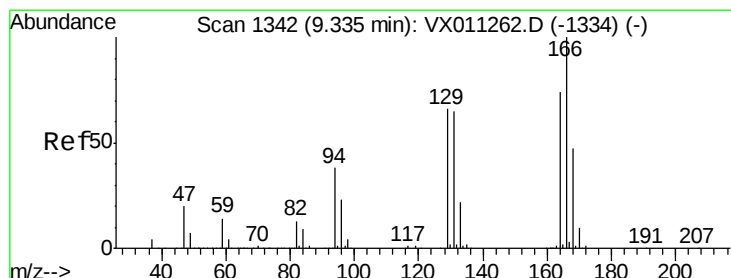
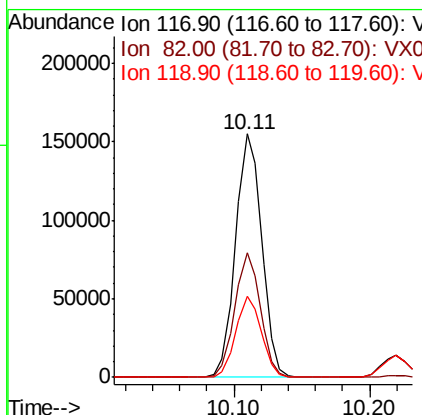
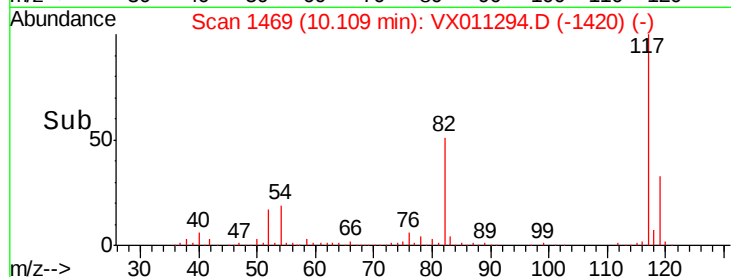
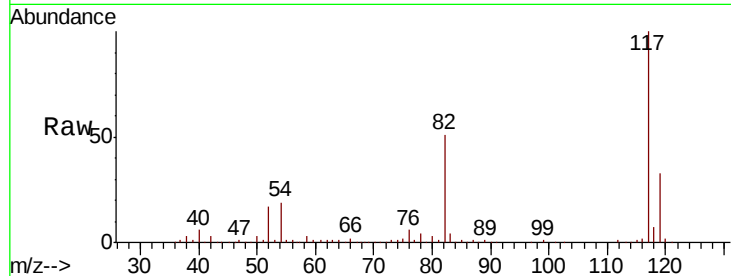
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.2	63.2
119	33.1	26.6	39.8

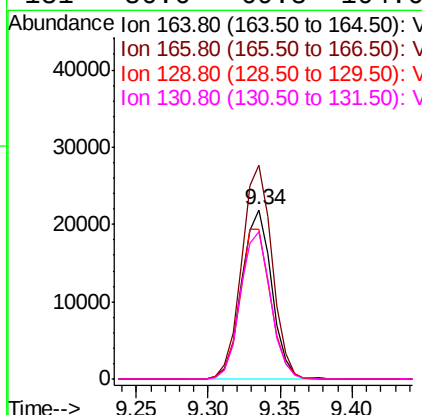
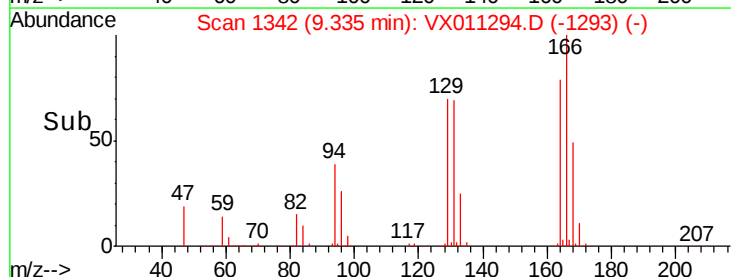
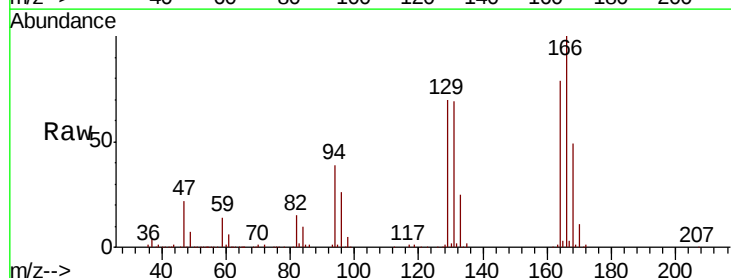
Manual Integrations
APPROVED

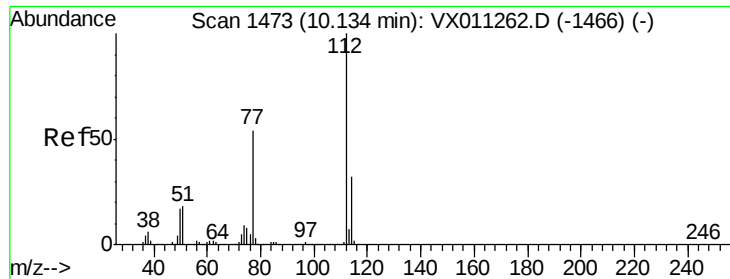
MMDadoda
8/6/2019 12:11:41 PM



#64
Tetrachloroethene
Concen: 17.931 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	107.5	161.3
129	88.2	71.0	106.4
131	86.6	69.8	104.6





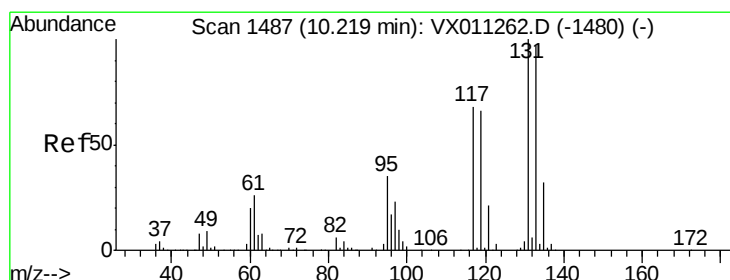
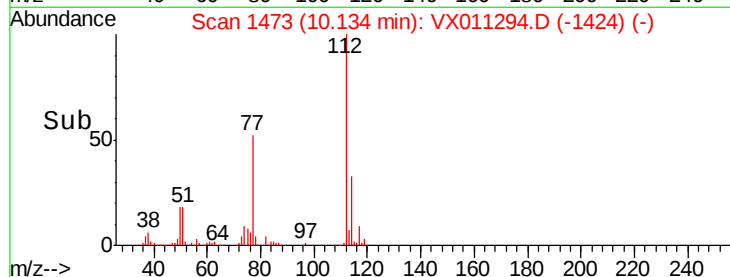
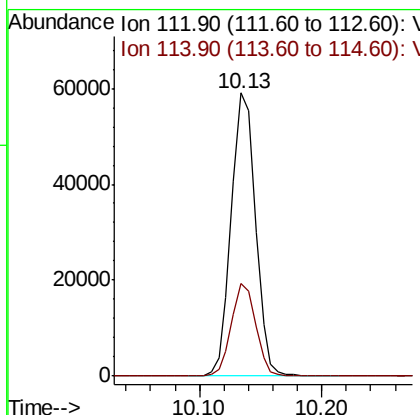
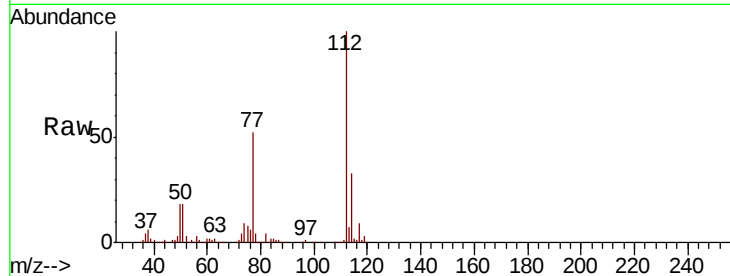
#65
Chlorobenzene
Concen: 18.172 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion:112 Resp: 80988
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9

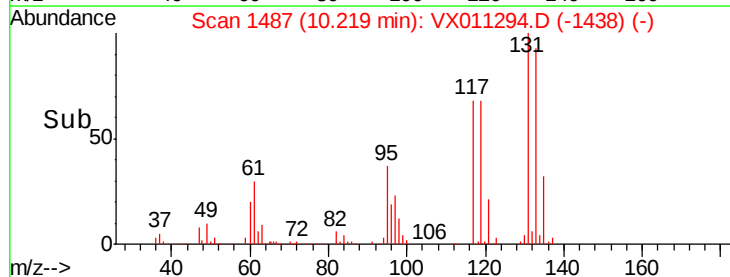
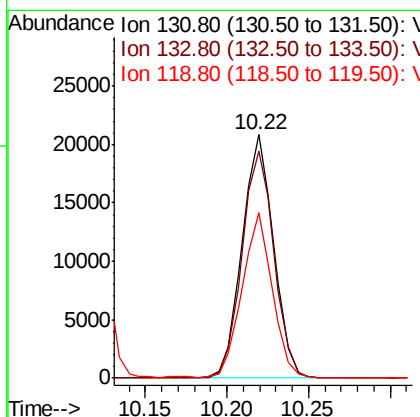
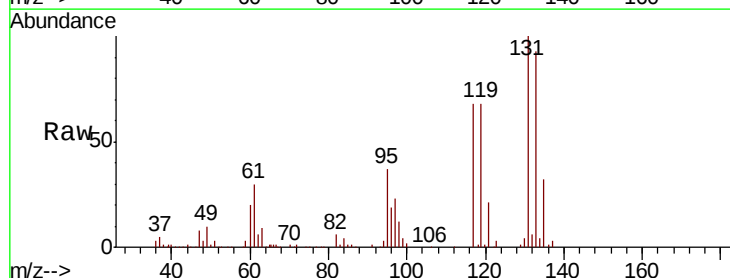
Manual Integrations
APPROVED

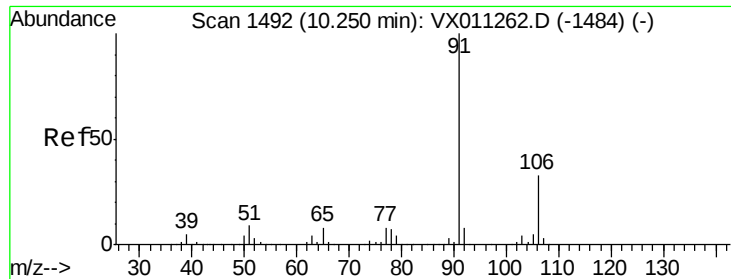
MMDadoda
8/6/2019 12:11:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.422 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion:131 Resp: 28108
Ion Ratio Lower Upper
131 100
133 94.3 47.7 143.1
119 65.4 32.8 98.3





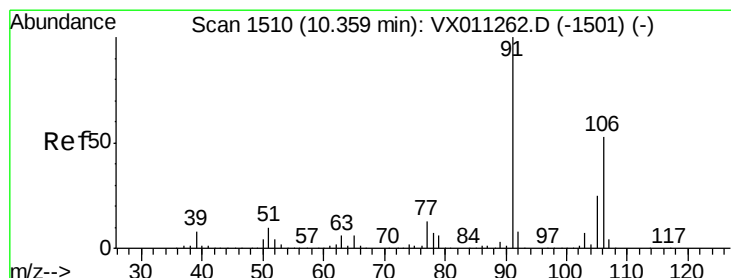
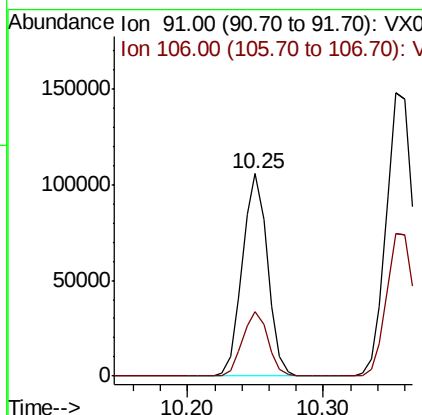
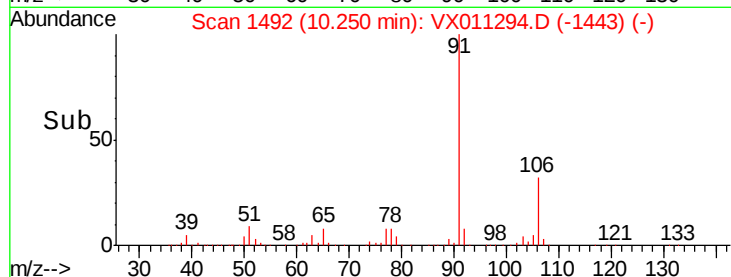
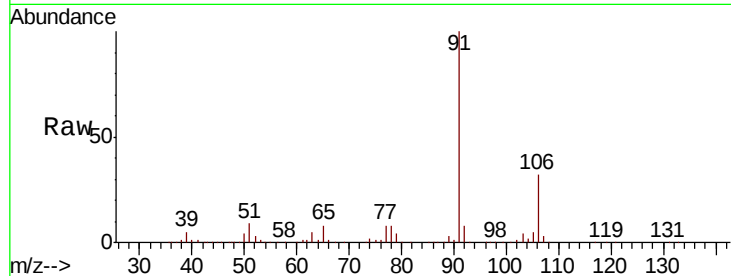
#67
Ethyl Benzene
Concen: 18.371 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

Tot Ion: 91 Resp: 137119
Ion Ratio Lower Upper
91 100
106 32.1 26.2 39.4

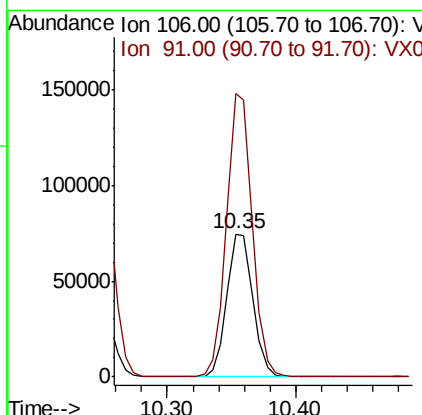
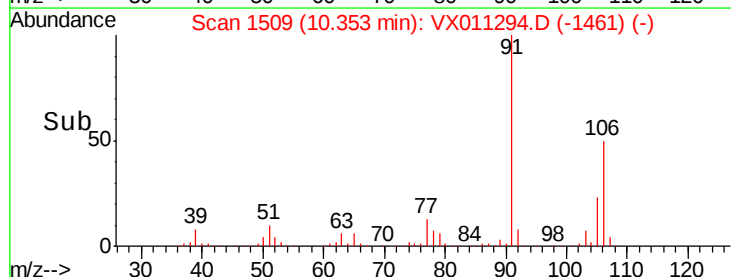
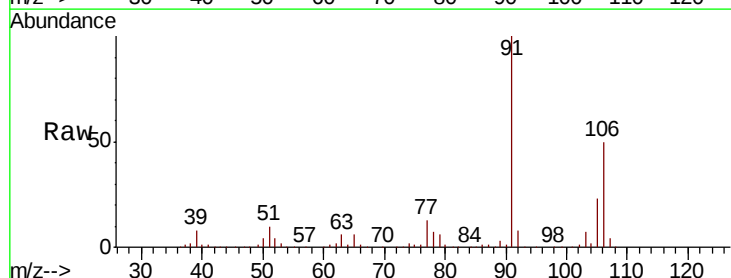
Manual Integrations
APPROVED

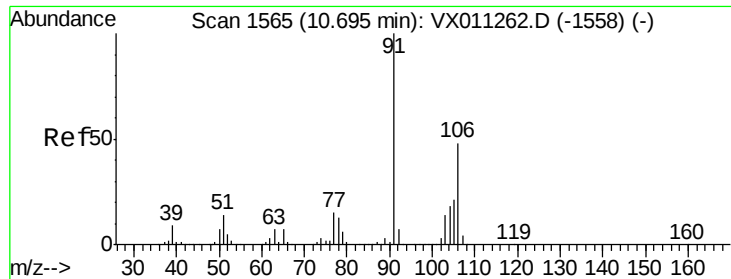
MMDadoda
8/6/2019 12:11:41 PM



#68
m/p-Xylenes
Concen: 36.654 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion: 106 Resp: 105820
Ion Ratio Lower Upper
106 100
91 196.2 155.9 233.9





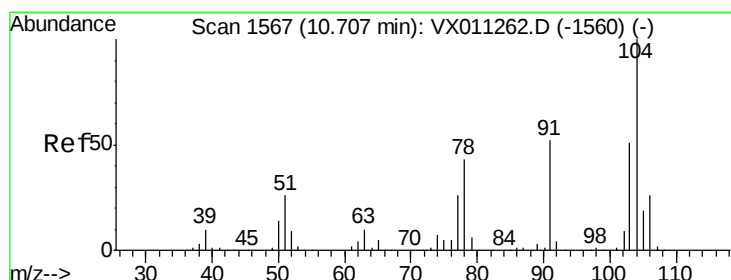
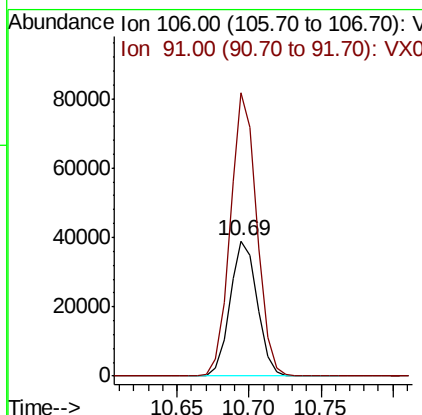
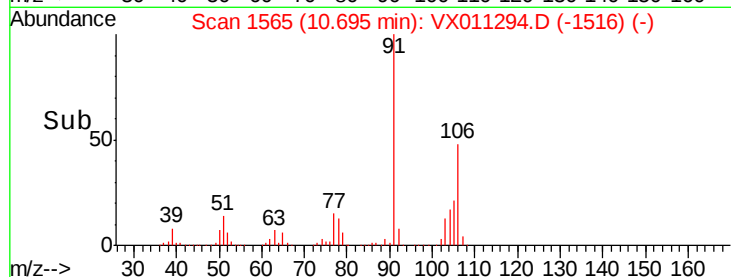
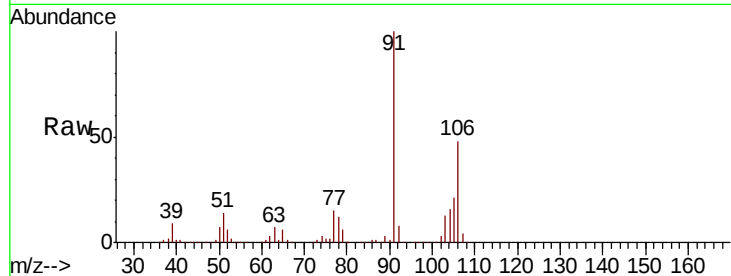
#69
o-Xylene
Concen: 18.235 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

Tot Ion:106 Resp: 51725
Ion Ratio Lower Upper
106 100
91 203.7 103.8 311.3

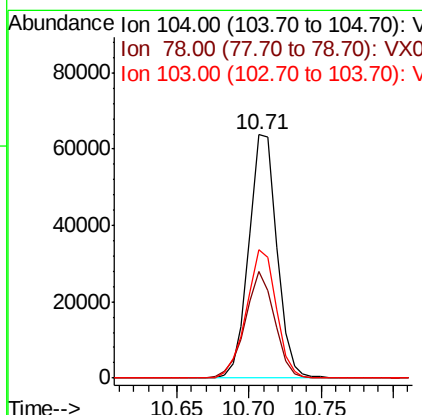
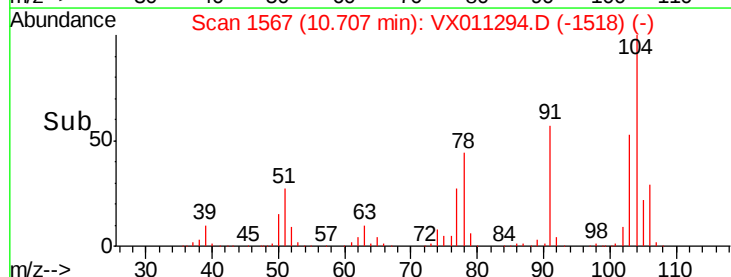
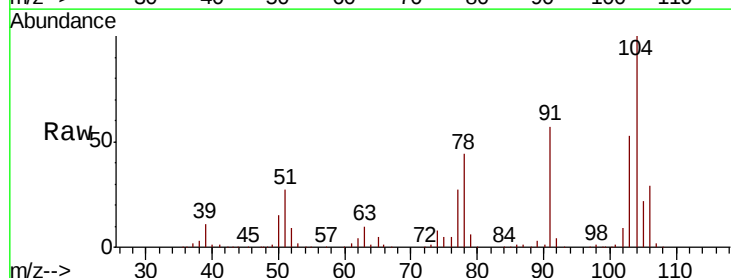
Manual Integrations
APPROVED

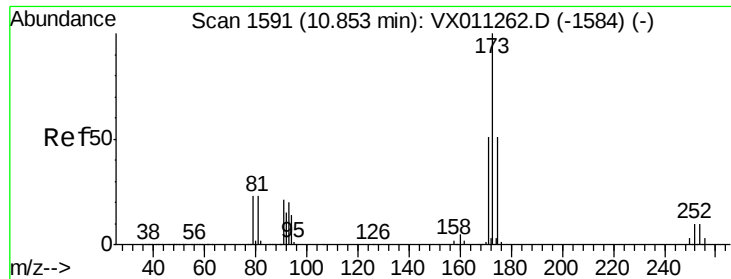
MMDadoda
8/6/2019 12:11:41 PM



#70
Styrene
Concen: 18.278 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion:104 Resp: 85786
Ion Ratio Lower Upper
104 100
78 46.0 36.9 55.3
103 56.2 44.4 66.6





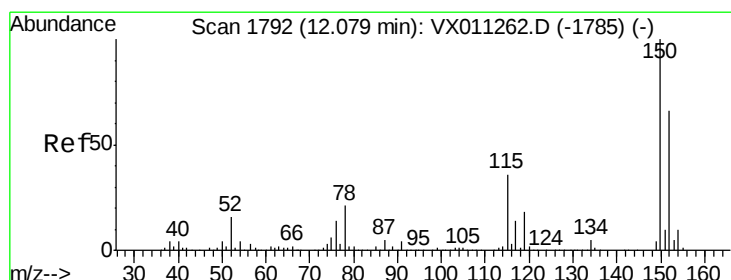
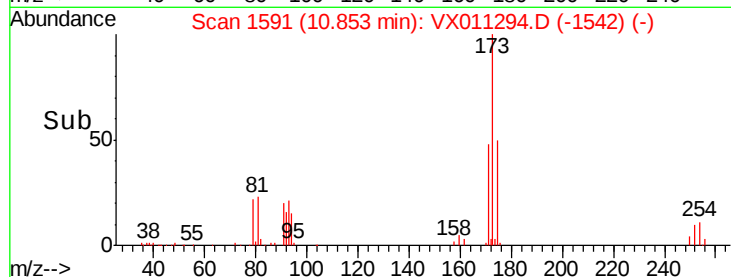
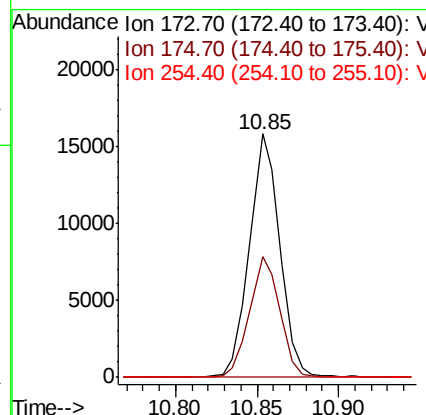
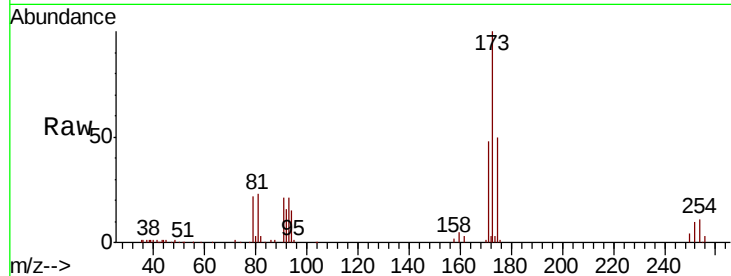
#71
Bromoform
Concen: 17.118 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.4	73.4
254	0.1	0.2	0.2

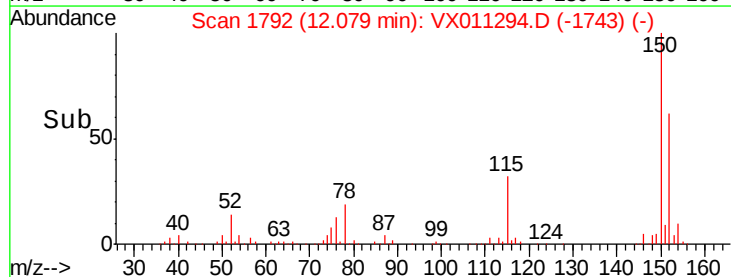
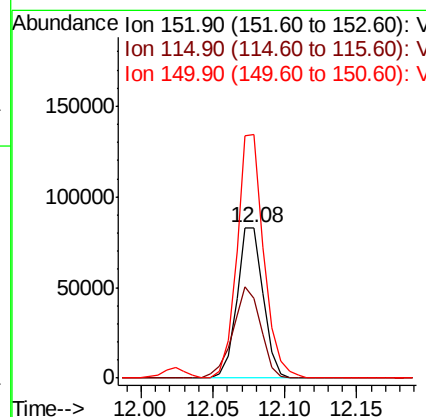
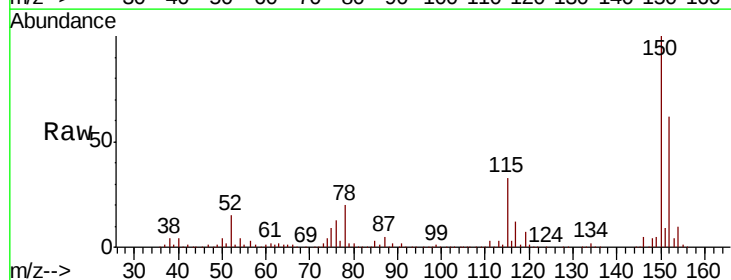
Manual Integrations
APPROVED

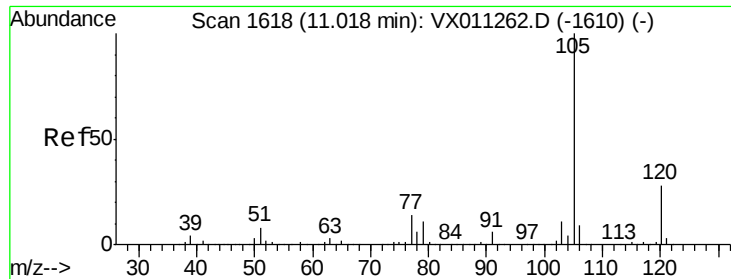
MMDadoda
8/6/2019 12:11:41 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.7	40.0	119.9
150	165.7	0.0	350.4





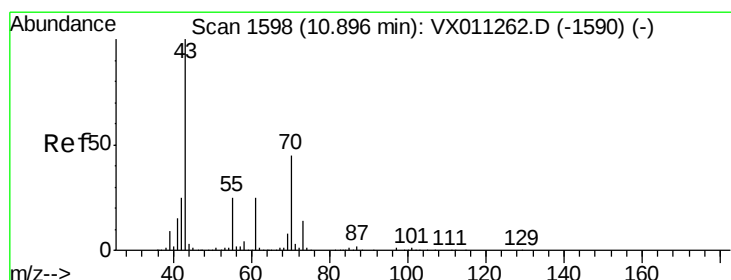
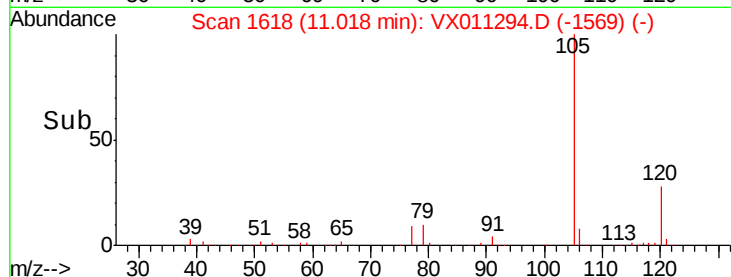
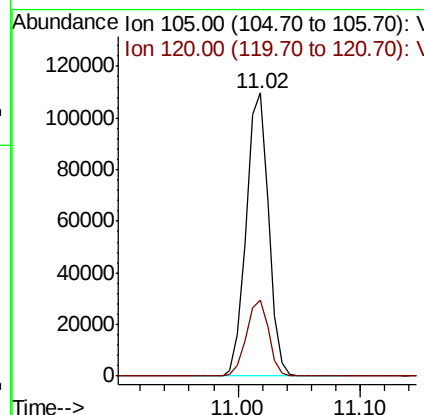
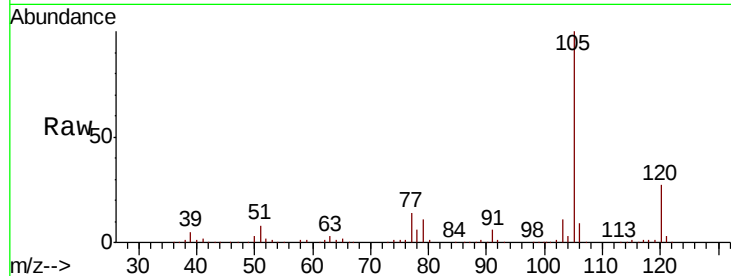
#73
Isopropylbenzene
Concen: 19.095 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion: 105 Resp: 138399
Ion Ratio Lower Upper
105 100
120 26.8 13.7 41.1

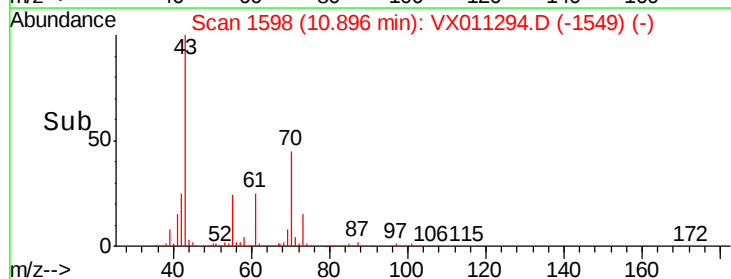
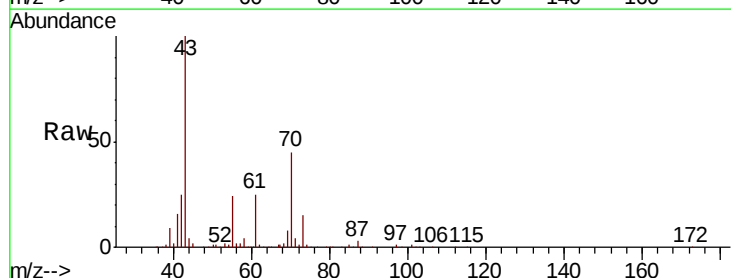
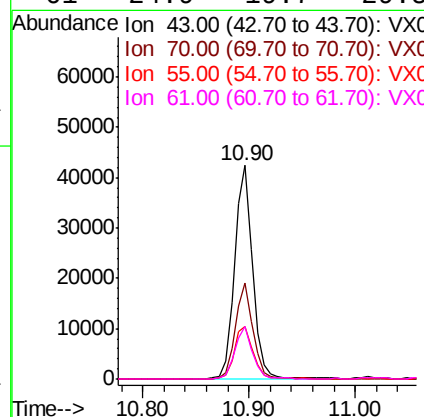
Manual Integrations
APPROVED

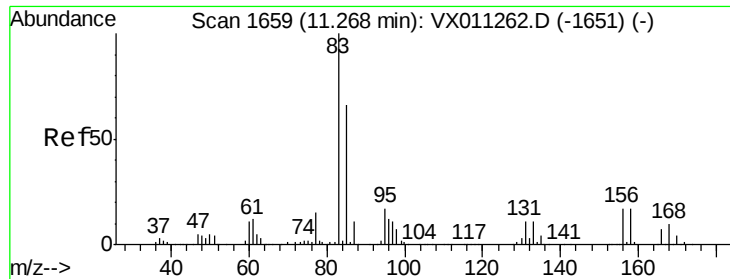
MMDadoda
8/6/2019 12:11:41 PM



#74
N-ethyl acetate
Concen: 19.076 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion: 43 Resp: 49959
Ion Ratio Lower Upper
43 100
70 44.4 35.9 53.9
55 25.3 19.8 29.6
61 24.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.351 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

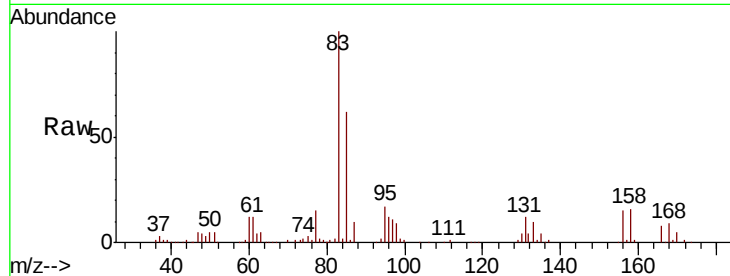
ClientSampled :

VX0802WBS01

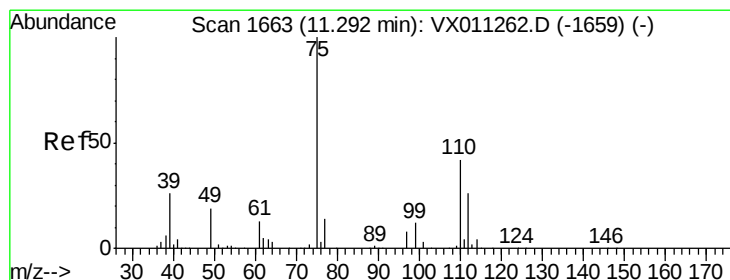
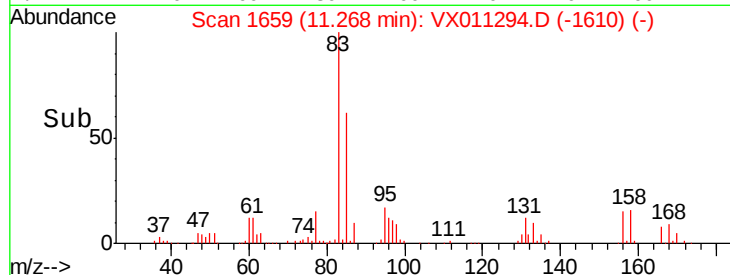
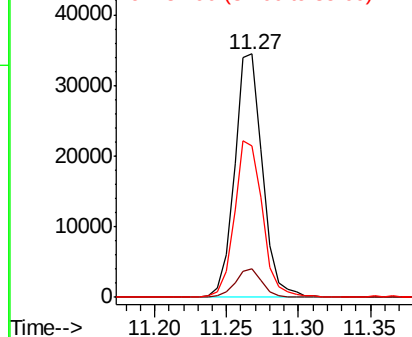
Tot Ion:	83	Resp:	46740
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.6	16.8
85	64.4	32.1	96.5

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.488 ug/l m

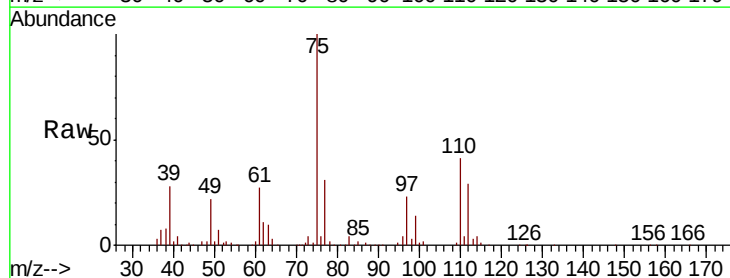
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

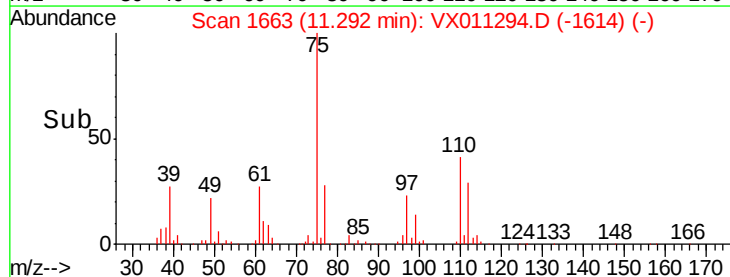
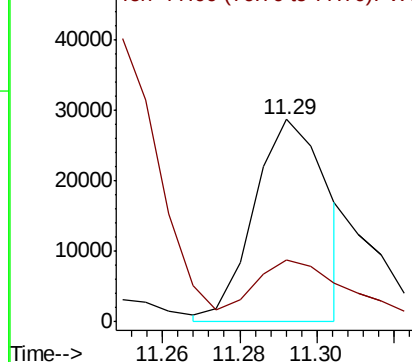
Lab File: VX011294.D

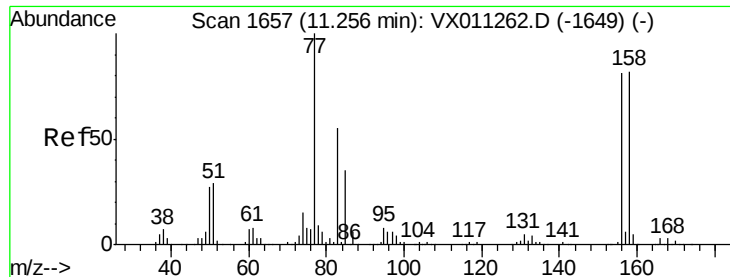
Acq: 02 Aug 2019 11:03

Tgt Ion:	75	Resp:	37611
Ion	Ratio	Lower	Upper
75	100		
77	39.9	21.1	63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.953 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

VX0802WBS01

Tot Ion:156 Resp: 38092

Ion Ratio Lower Upper

156 100

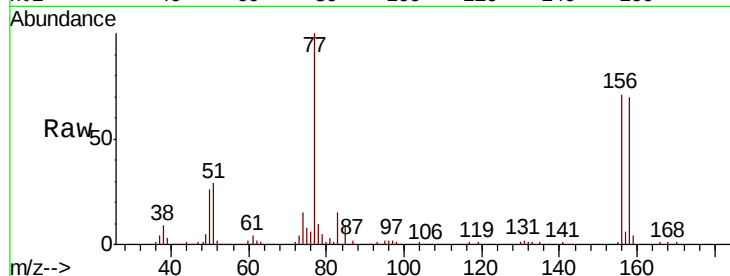
77 128.9 66.2 198.6

158 96.8 49.1 147.3

Manual Integrations
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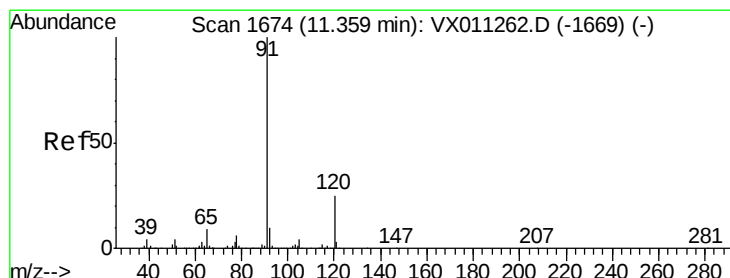
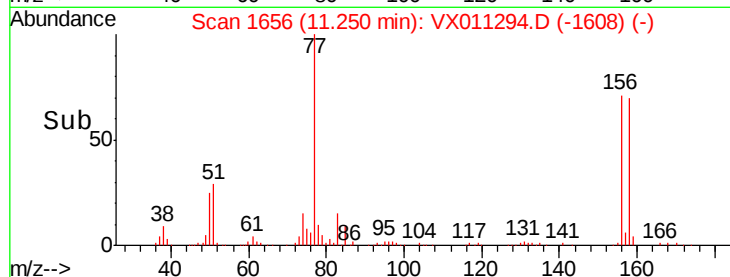
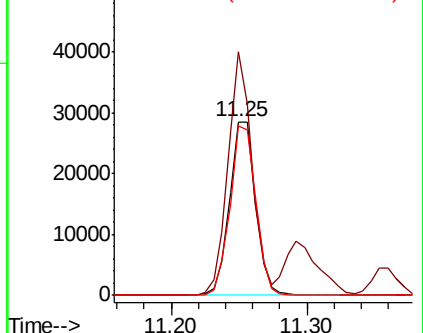
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.044 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011294.D

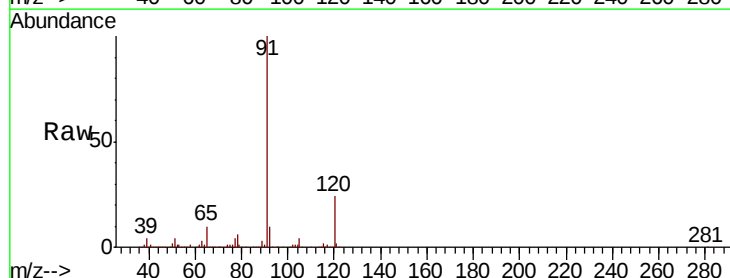
Acq: 02 Aug 2019 11:03

Tgt Ion: 91 Resp: 153494

Ion Ratio Lower Upper

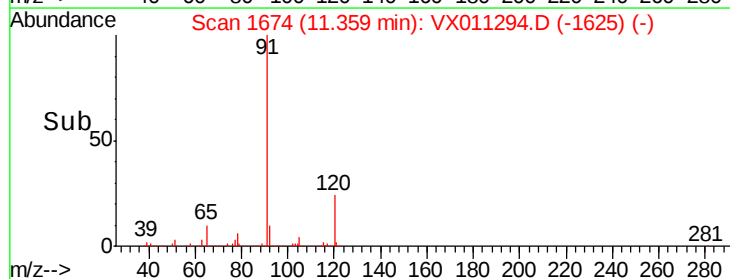
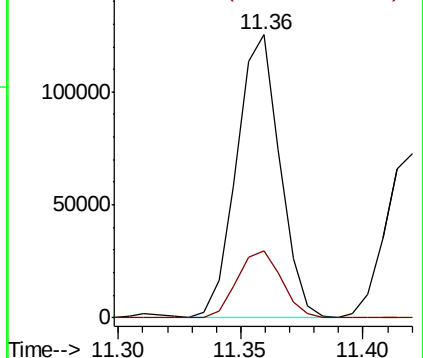
91 100

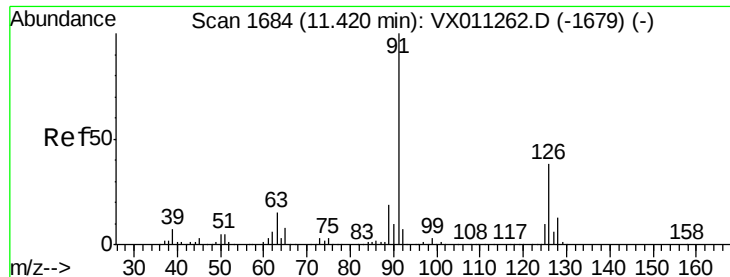
120 24.6 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.933 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

VX0802WBS01

Tot Ion: 91 Resp: 90956

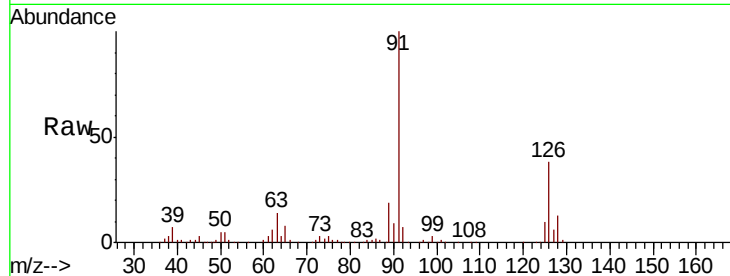
Ion Ratio Lower Upper

91 100

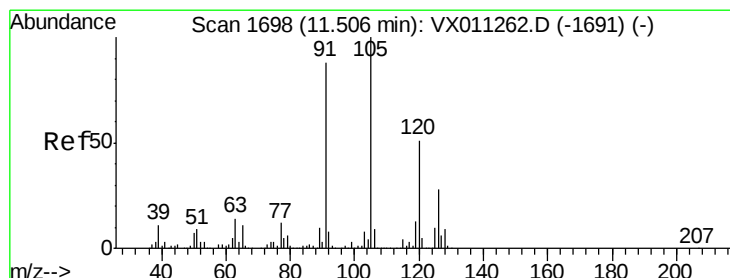
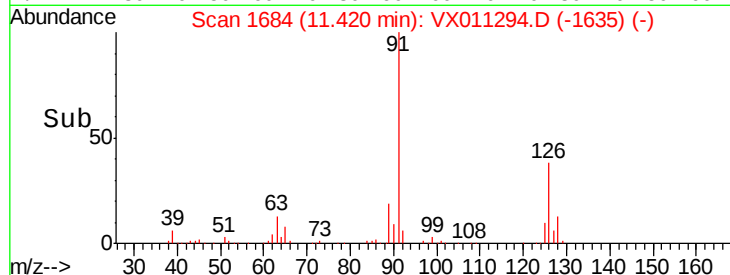
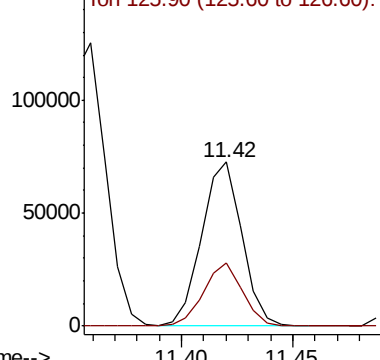
126 37.6 18.5 55.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX011262.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.672 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011294.D

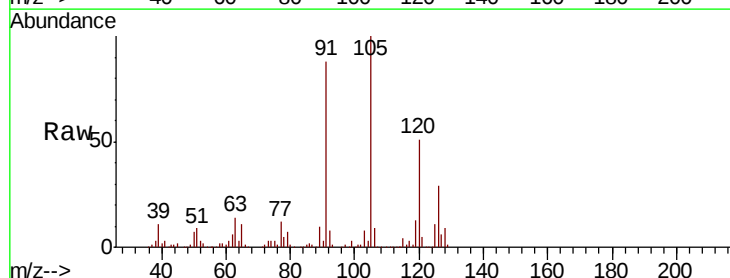
Acq: 02 Aug 2019 11:03

Tgt Ion: 105 Resp: 113287

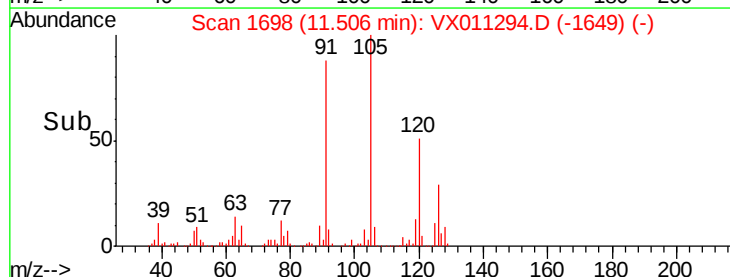
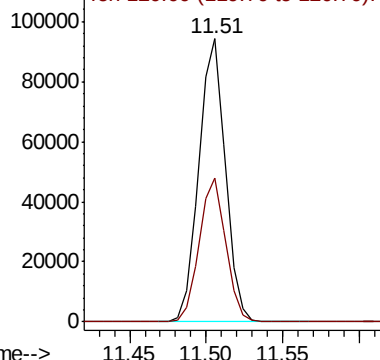
Ion Ratio Lower Upper

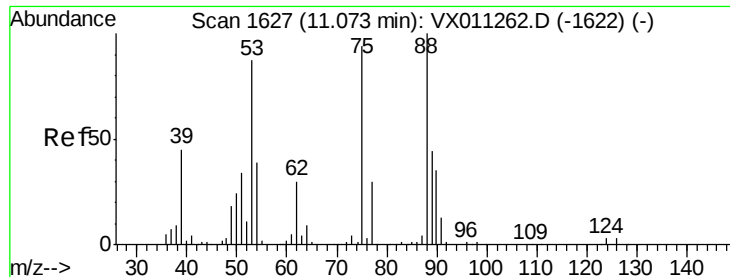
105 100

120 50.7 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VX011262.D (-1691) (-)





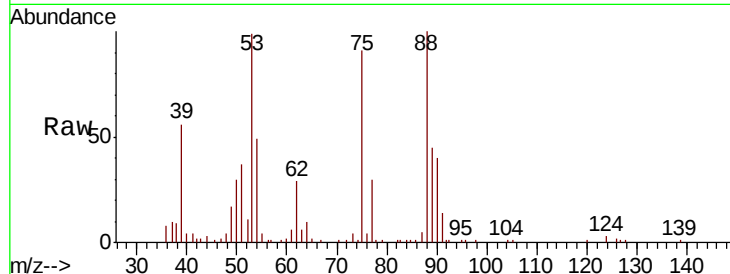
#81
trans-1,4-Dichloro-2-butene
Concen: 18.269 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

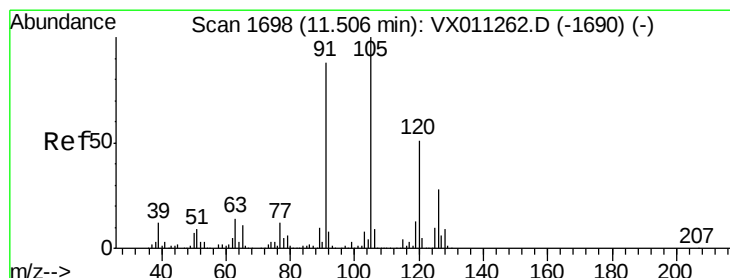
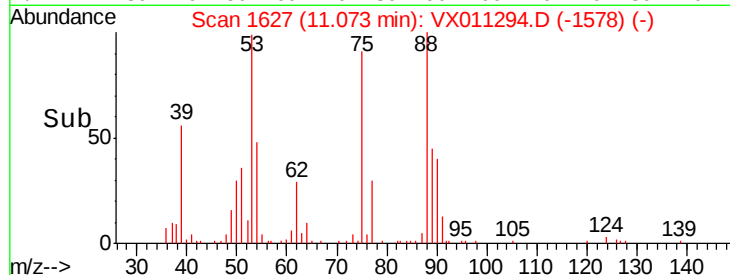
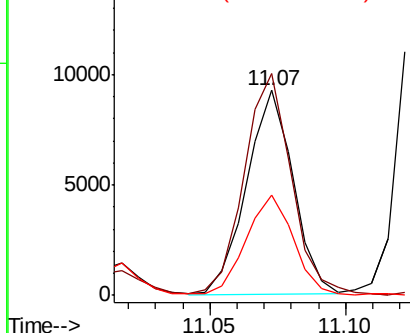
Tot Ion	Ratio	Lower	Upper
75	100		
53	111.7	78.2	117.4
89	50.3	37.9	56.9

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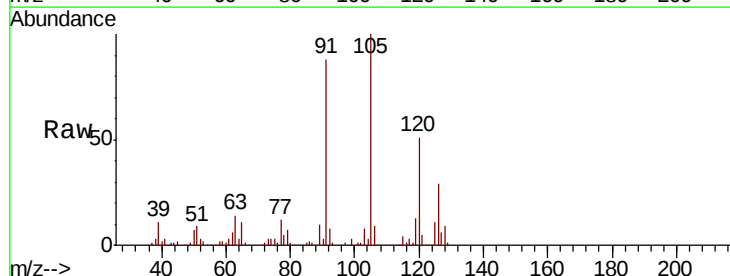


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

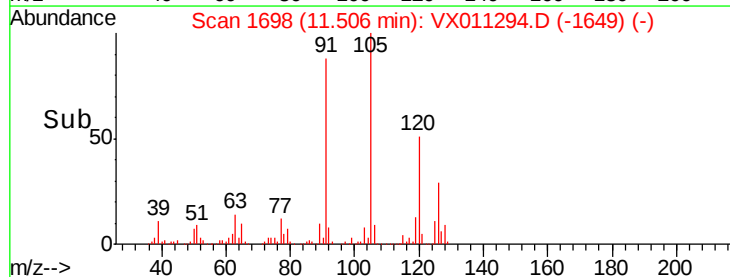
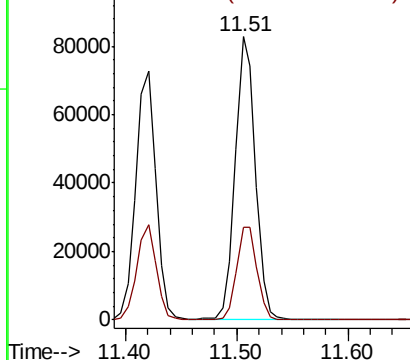


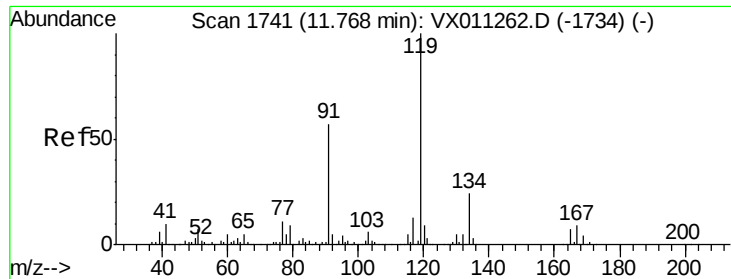
#82
4-Chlorotoluene
Concen: 18.407 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.4	49.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.858 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

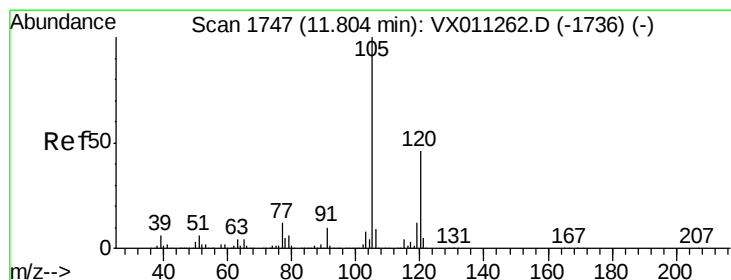
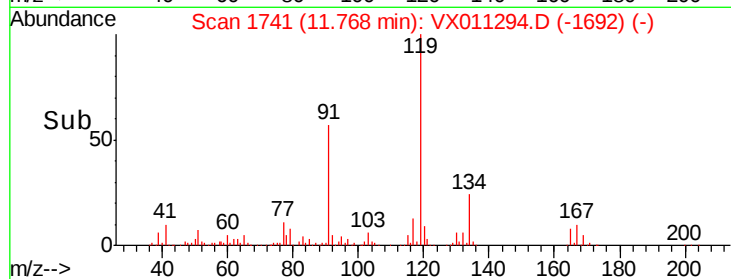
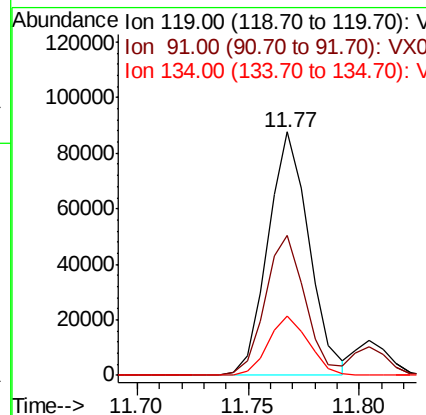
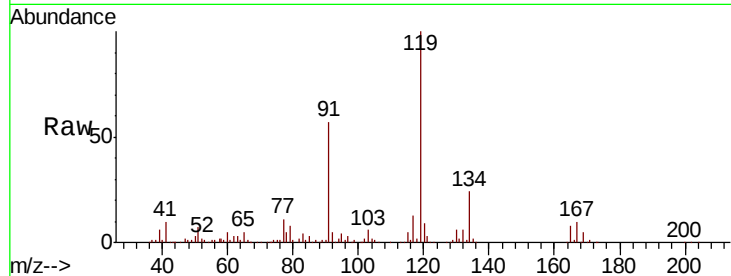
ClientSampled :

VX0802WBS01

Tot Ion:	119	Resp:	112214
Ion Ratio	Lower	Upper	
119	100		
91	56.2	28.0	84.0
134	24.0	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 19.156 ug/l

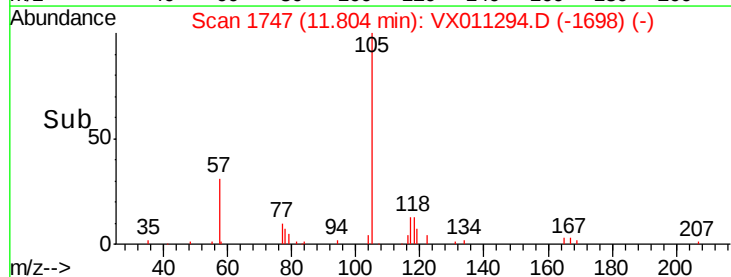
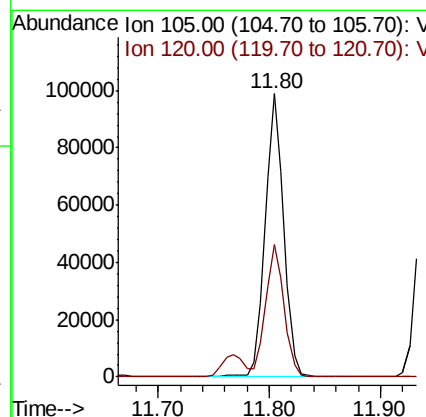
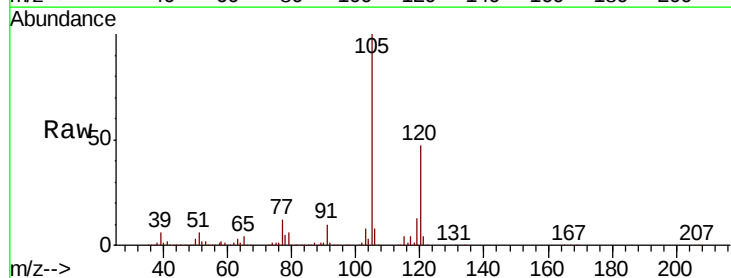
RT: 11.80 min Scan# 1747

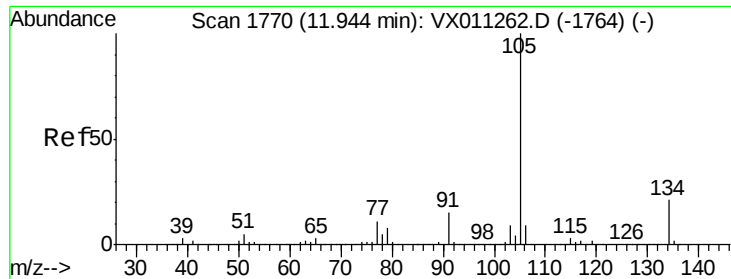
Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Tgt Ion:	105	Resp:	115714
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.0	69.0





#85

sec-Butylbenzene

Concen: 18.759 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

Instrument :

MSVOA_X

ClientSampled :

VX0802WBS01

Tot Ion:105 Resp: 134113

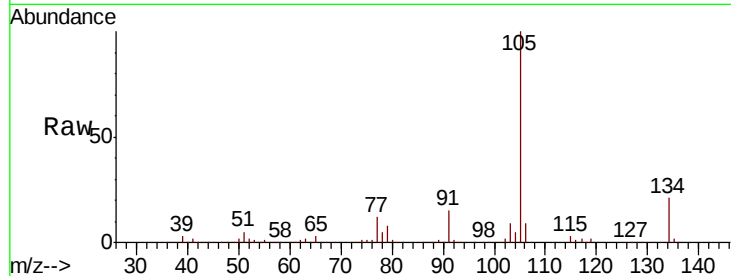
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.4

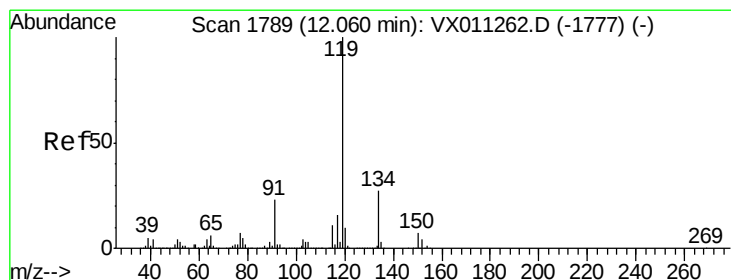
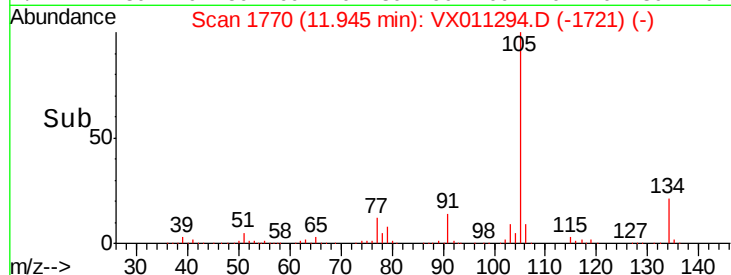
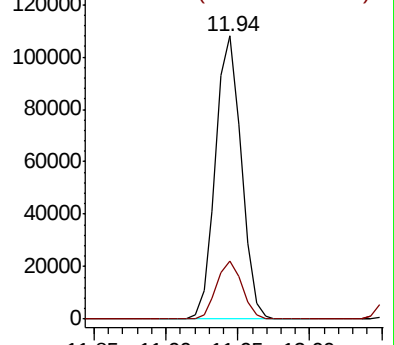
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.902 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011294.D

Acq: 02 Aug 2019 11:03

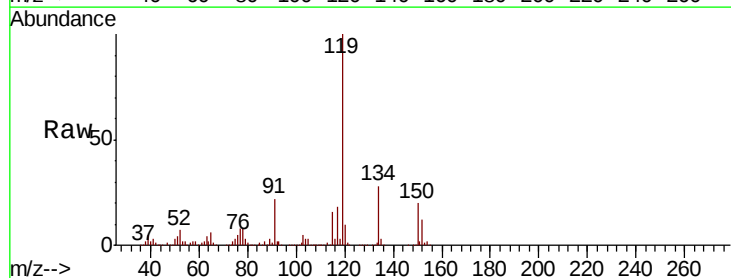
Tgt Ion:119 Resp: 124325

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

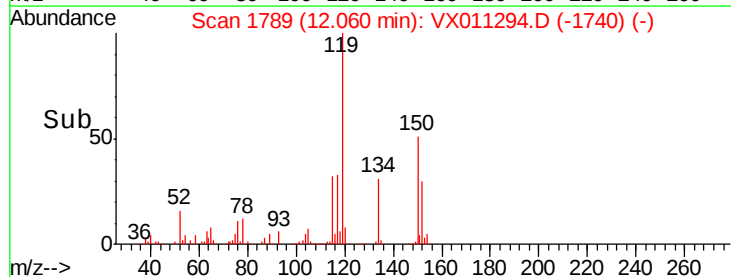
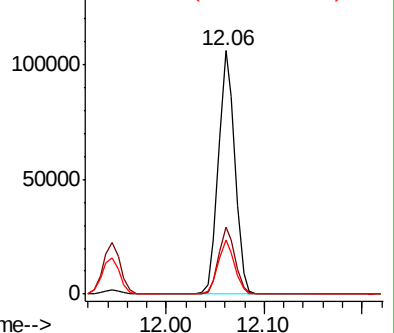
91 22.4 11.4 34.2

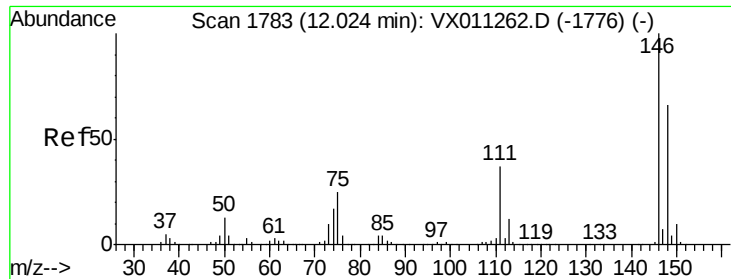


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





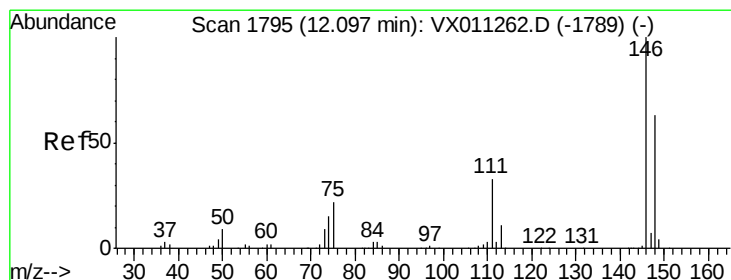
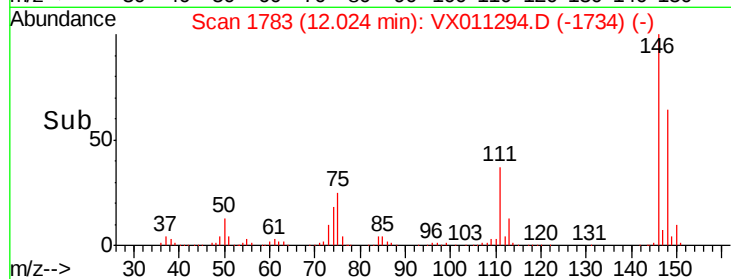
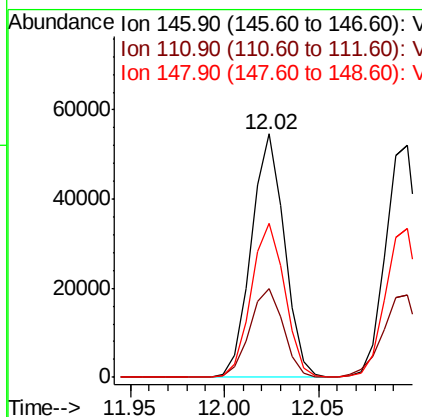
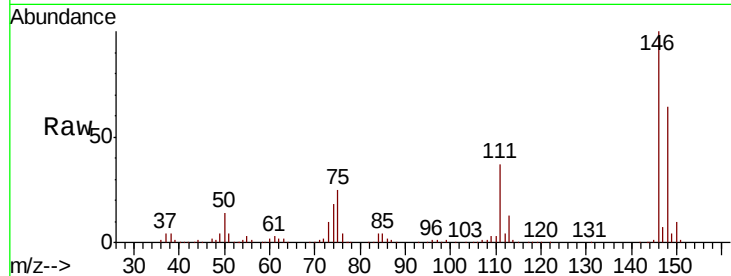
#87
 1,3-Dichlorobenzene
 Concen: 18.745 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011294.D
 Acq: 02 Aug 2019 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.8
148	64.3	32.5	97.5

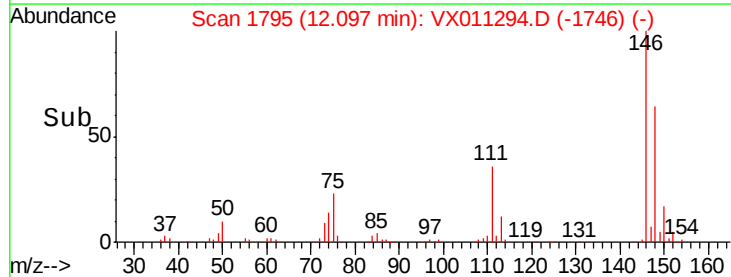
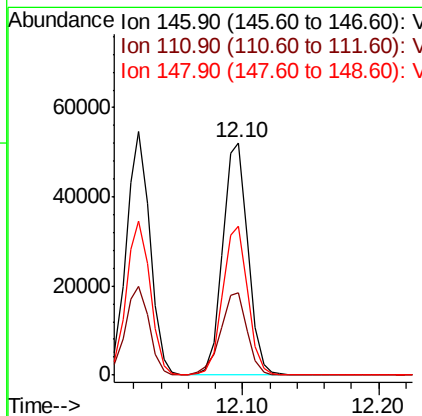
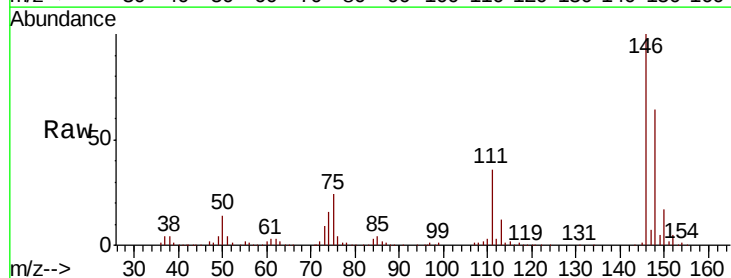
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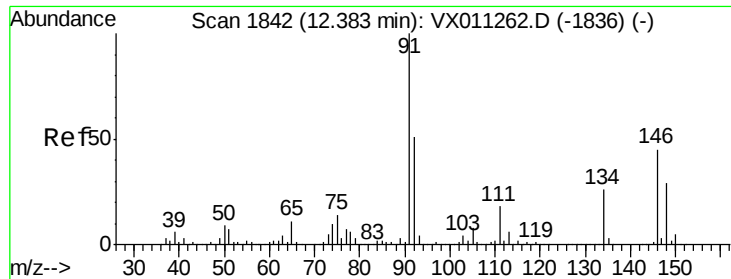
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#88
 1,4-Dichlorobenzene
 Concen: 18.222 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011294.D
 Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	17.8	53.4
148	64.1	31.8	95.3





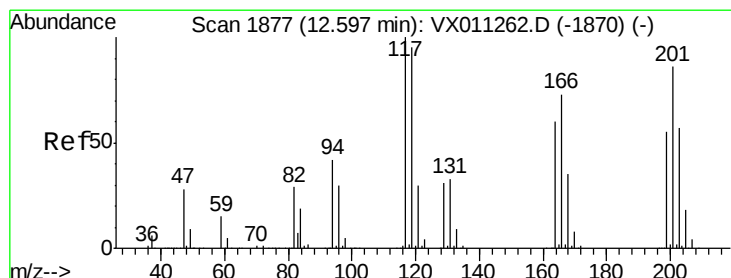
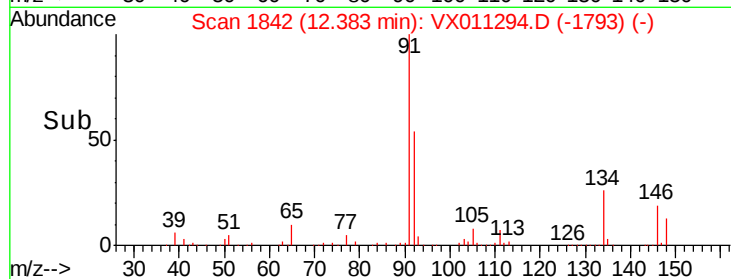
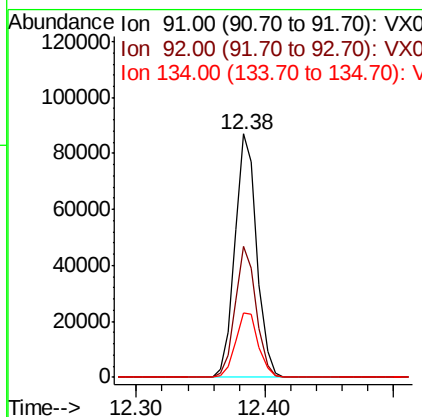
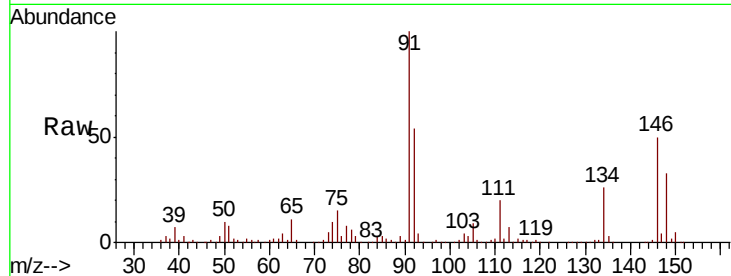
#89
n-Butylbenzene
Concen: 18.190 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampled :
VX0802WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.8	77.3
134	27.7	13.7	41.0

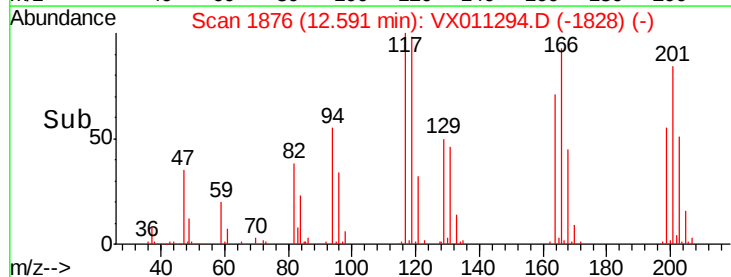
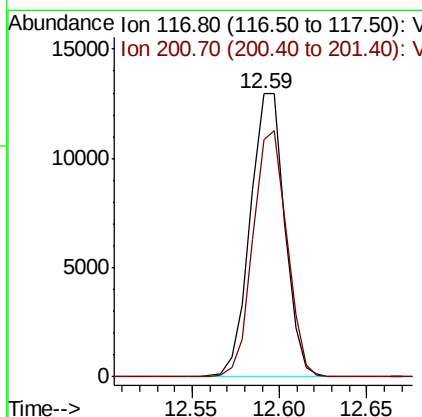
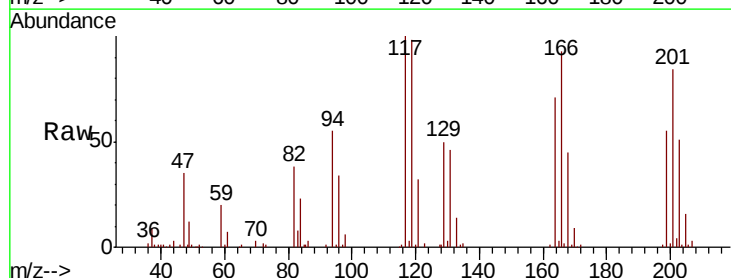
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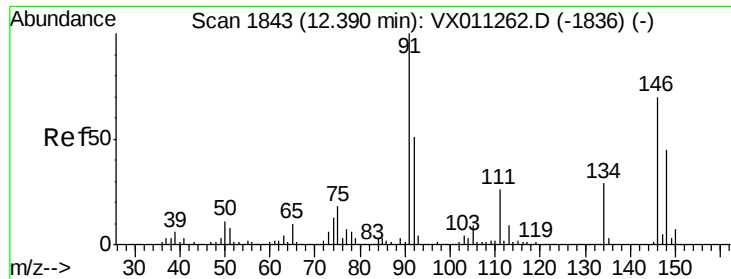
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#90
Hexachloroethane
Concen: 18.357 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	41.8	125.4





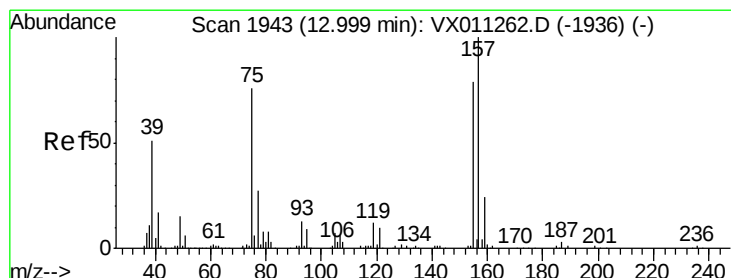
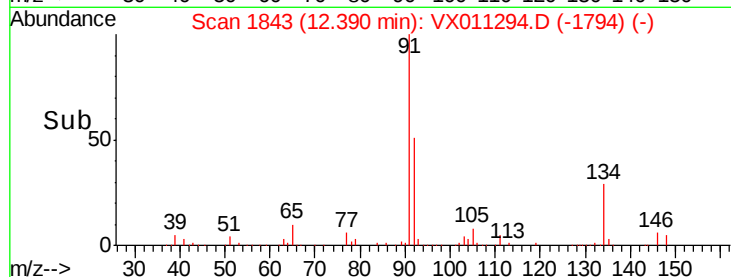
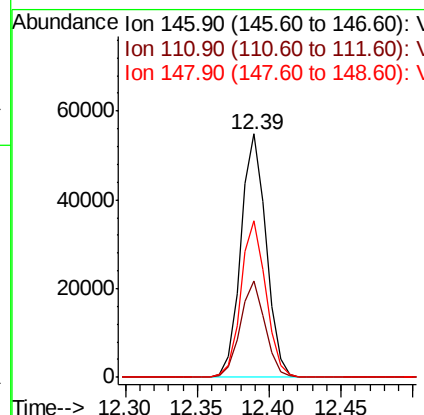
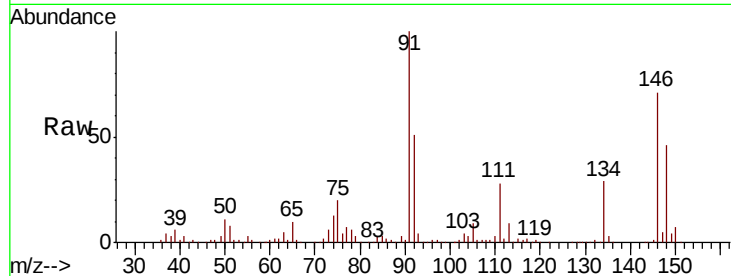
#91
 1,2-Dichlorobenzene
 Concen: 18.843 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011294.D
 Acq: 02 Aug 2019 11:03

Instrument :
 MSVOA_X
 ClientSampled :
 VX0802WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.1
148	63.6	32.3	96.8

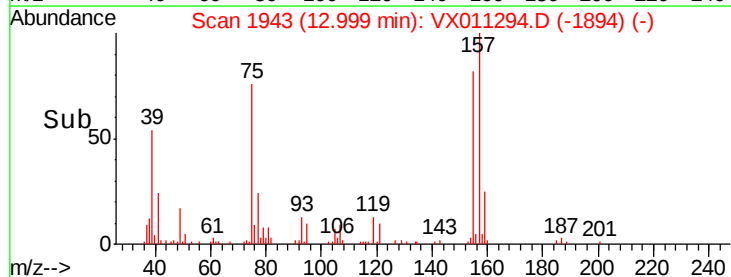
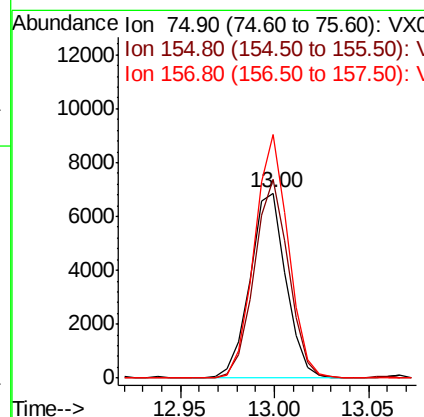
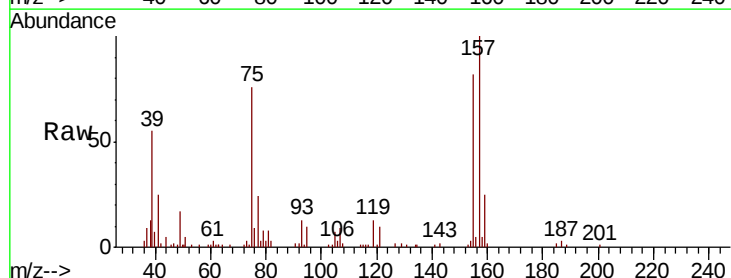
Manual Integrations
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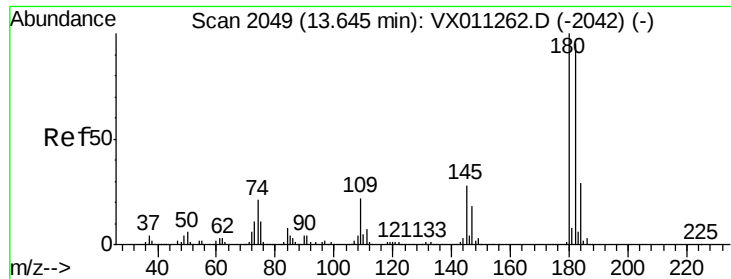
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.369 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011294.D
 Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.7	51.9	155.8
157	123.8	64.3	192.7





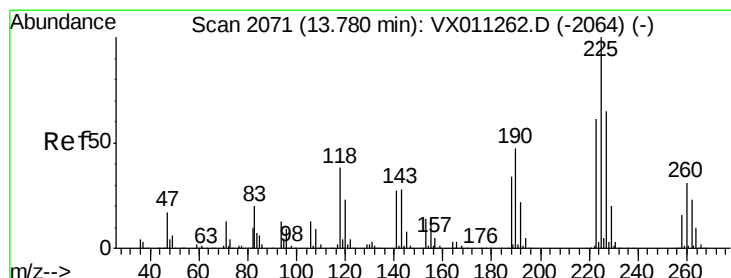
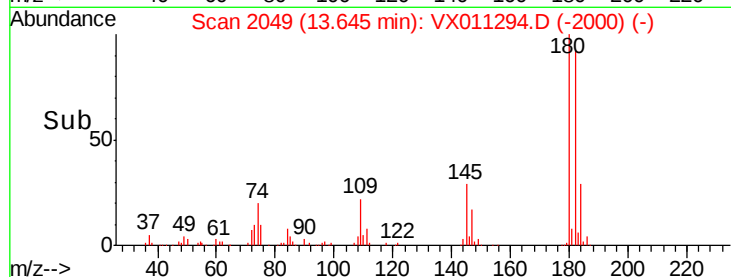
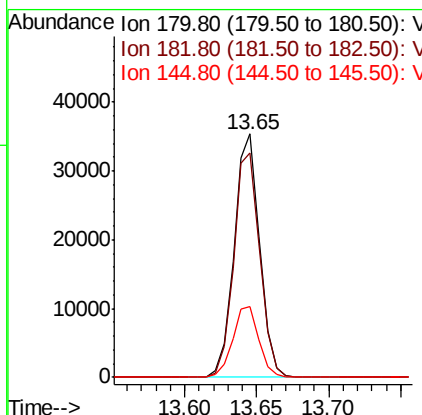
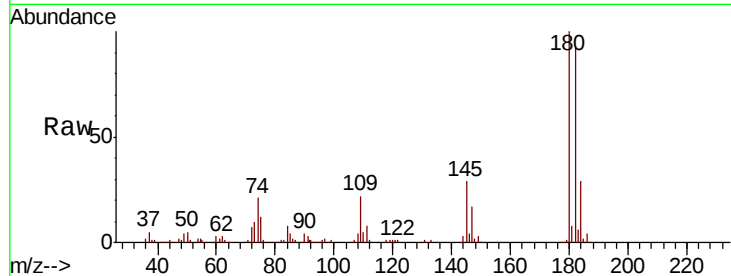
#93
 1,2,4-Trichlorobenzene
 Concen: 18.469 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011294.D
 Acq: 02 Aug 2019 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0802WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	43704		
182	94.2		47.8	143.4
145	29.9		14.8	44.3

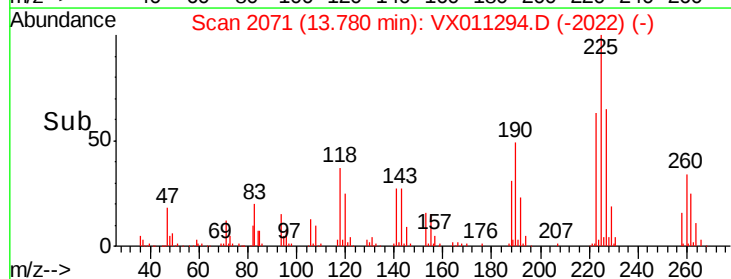
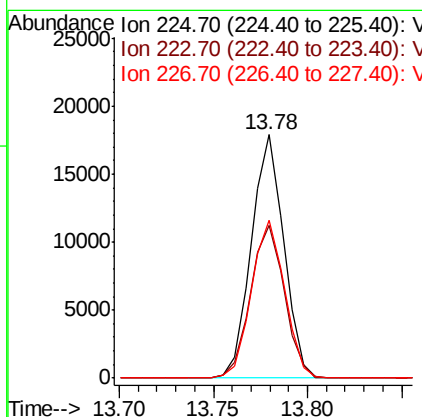
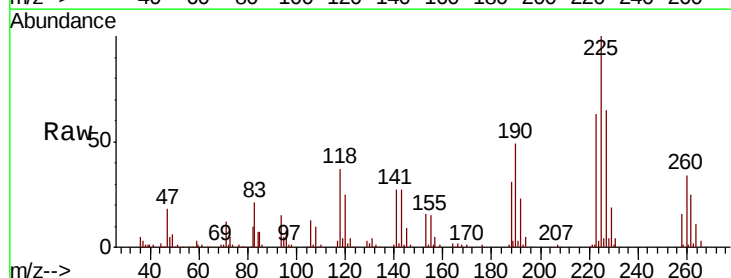
Manual Integrations
 APPROVED

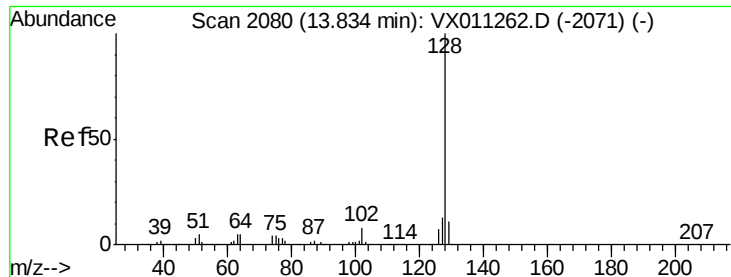
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#94
 Hexachlorobutadiene
 Concen: 17.803 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011294.D
 Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21373		
223	65.7		31.0	93.0
227	66.3		32.2	96.6





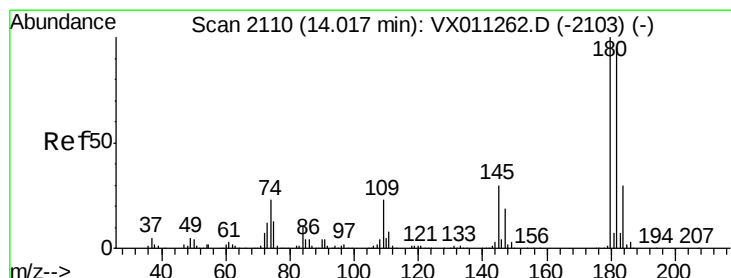
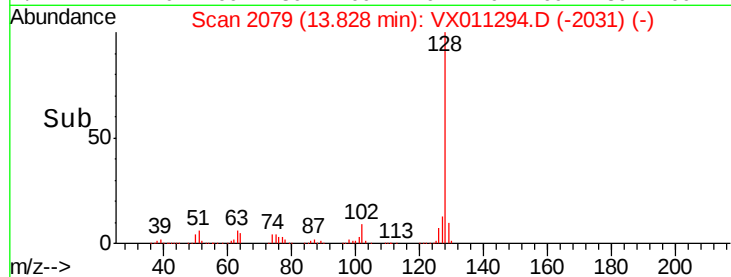
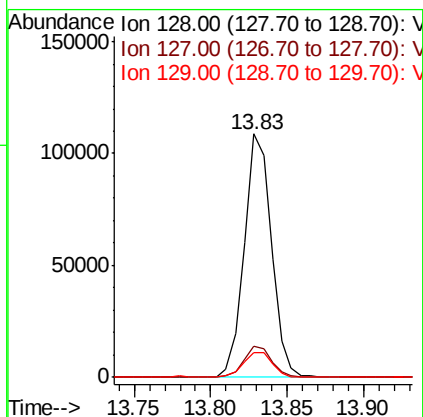
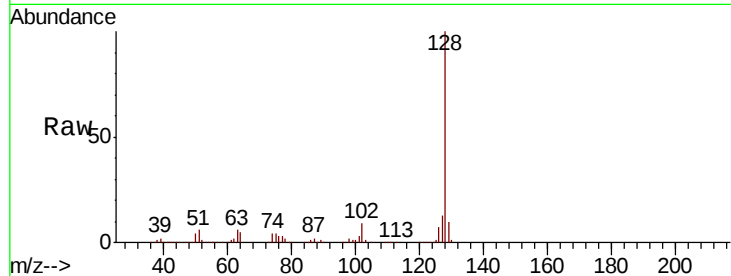
#95
Naphthalene
Concen: 19.389 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Instrument :
MSVOA_X
ClientSampleId :
VX0802WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	134170		
127	13.1	10.4	15.6	
129	11.0	8.9	13.3	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.237 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011294.D
Acq: 02 Aug 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	46278		
182	93.5	47.4	142.3	
145	30.4	15.2	45.6	

